



International Association of Aquatic and Marine
Science Libraries and Information Centers

newsletter

Number Seventy Eight
February 2001

From the President

Spring is rapidly approaching and the many IAMSlic Committees are working on their various projects. A listing of the Committees, their dedicated volunteer members, and their tasks is included in this issue beginning on page 3. We are always looking for volunteers to work on these committees. If you have always wanted to participate in an IAMSlic Committee, please read through the tasks of the committees and see where you think you could provide some valuable input. Contact me or the Committee Chair, and we'll be happy to include you in the group. The Web Committee and Training Committee would especially like to encourage new members to contact them.

Grants Progress

The IAMSlic Executive Board is currently reviewing Grants applications, and hopes to complete this process in early March. The

Deadline for a Grant Application was January 19th, 2001.

Z39.50 Project

Are you looking for an elusive article through an Interlibrary Loan? Following is a brief report on the "Linking Libraries" Z39.50 Project. Last year IAMSlic began a project which might help us all in our Interlibrary Loan endeavors. On the recommendation of the ILL Committee, Barbara Butler, Chair, and Stephanie Haas, (then) President, the possibility of linking IAMSlic members' library catalogs was explored. Anne Ball, IAMSlic Member and Information Resources Program Manager with the NOAA Coastal Services Center in Charleston, S. C. is creating a Coastal Information Library. She will provide a separate interface for IAMSlic Libraries, if we request this. Anne tells us that there may be a way to participate in this project even if your library is not Z39.50 compliant. To explore the possibilities, please send an email to John Ulmer at John.Ulmer@noaa.gov. Or call him at (843)740-1228. If you have an OPAC, the following information would be helpful:

IP address, or name address of system:
Your email address and phone number;
Indicate if your marine collection is part of a larger collection and how to limit searches to your segment.

cont'd on Page 3

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Think Brest, France for October



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PRESIDENT-ELECT 2001-2002

**(Conference Convenor for IAMS LIC '01 to be held at
Brest, France)**

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PRESIDENT-ELECT 2002-2003

**(Conference Convenor for IAMS LIC '02 to be held at
Mazatlan, Mexico)**

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**IAMS LIC LISTSERVER
IAMS LIC@UCSD.EDU**

The **IAMS LIC@UCSD.EDU** listserv is an international email conference for discussion of information-related topics in freshwater, marine, and brackishwater sciences. To sign yourself up to the conference, send the following email message to listserv@ucsd.edu:

subscribe <your Internet email address> iamslic

To delete yourself from the conference, send the following email message to listserv@ucsd.edu:

delete <your Internet address> iamslic

If your email address changes, delete yourself using your old address and sign up using your new address. Send an email message to everyone on the **IAMS LIC@UCSD.EDU** conference at the address: iamslic@ucsd.edu. This is **NOT** the address to sign yourself up or signoff; see above.

To receive information about IAMS LIC including a membership application, regional contacts, availability of proceedings and other publication, send the following email message to listserv@ucsd.edu:

faq iamslic

IAMS LIC maintains a presence on the world wide web. You will find its web page at the following URL:
<http://siolibrary.ucsd.edu/iamslic/>

**Contributions to the May 2001 IAMS LIC
Newsletter should be sent to the Editors by**

May 7, 2001:

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DISCLAIMER

IAMS LIC assumes no responsibility for the statements and opinions advanced by contributions to IAMS LIC publications. Editorial views do not necessarily represent the official position of the organization.

**The IAMS LIC Newsletter is published quarterly, in
February, May, August, and November**

IAMSLIC Past Proceedings and Newsletters Scanning Project

Charles McFadden recently reported that he has completed the first phase of the IAMSLIC Past Proceedings and Newsletters digitization project. The results of this project will be incorporated into the new IAMSLIC website. Congratulations to Charles for tackling a large job! If you would like to preview the project go to:

<http://www.vims.edu/GreyLit/IAMSLIC>.

Here, you can find the IAMSLIC Newsletters through No. 73, November 1999. IAMSLIC Conference Proceedings are available as well. Proceedings remaining to be scanned are the 19th, 22nd, and 24th. The citations for the Newsletters and the individual papers in the Proceedings are maintained in an Access database. The HTML Web pages are generated from this database, and can be updated. There is a Newsletter page and a Proceedings page, each of which can be searched with the Browser Find command. This is not quite a mature product. It is off to a great start and will change to meet our needs.

My thanks to all our members for their efforts and contributions toward the ongoing growth and change within IAMSLIC in this new millennium.

Linda Pikula

TO OUR MEMBERS

Your IAMSLIC Newsletter is in a transitory state. Previously, your issue was mailed to the address that you requested. Commencing with this issue, the Newsletter will be issued in electronic format. Initially, it will be available in .PDF format. As we become more familiar with the various editors employed, we will also be generating a true HTML version for viewing through your browser. Please bear with us. Should you not have ready access to the Internet, we will continue to generate a print version for you. Let us know. Thank you.

Beth Avery and Roger Kelly

Standing Committees

Bylaws

Chair: Stephanie Haas (2000-2001)

Charge: To present proposals for Bylaw amendments to the membership for a vote

Action Deadlines: Proposed bylaw changes will be submitted to the Board at least two months prior to the annual meeting. Voting will take place at the Annual Business Meeting.

List Monitoring

Chair: Jim Markham

Charge: To continue to monitor the IAMSLIC and Regional lists to determine informational traffic patterns to the Executive Board and membership for planning purposes.

Action Deadlines: Report to Executive Board August 15th.

Membership

Chair: Patti Marraro

Members: Martha Pretorius, Linda Pikula, Catherine Hanson-Tracy, Connie Cook, Jane Barnwell, Jean Collins, Victoria Welborn.

Note: The projects of the Public Relations Committee have been subsumed into the Membership Committee.

Charge: To encourage individual and institutional membership in IAMSLIC, particularly in the developing countries where such membership would give access to the resources of IAMSLIC's

Expertise and library holdings.

1. To Translate the Membership Brochure into French
2. To mail brochures in Spanish to the Latin American Prospects List (complete 10/00)
3. To mail brochures to African prospects
4. Mentoring Project: To proceed with Mentoring Project suggested in Membership Committee Report presented to the Board at annual conference (2000).

Action Deadlines: 1. February 28th- Brochures in French available. 2. Spanish brochures mailed 10/00. 3. African brochures mailed by March

15th. 4. Identify Mentor candidates by January 30th with the idea that one candidate at least will be assisted in a Grant Application (from another Granting Agency, not IAMS LIC) for a project mutually agreed upon by IAMS LIC and Candidate (Actual Grant preparation assistance to be provided by IAMS LIC Second Council of Singers and other volunteer members as needed).

Membership Database

Chair: Catherine Hanson-Tracy

Charge: To maintain IAMS LIC's membership database including renewals. To provide labels and lists to IAMS LIC members for official purposes (at no charge), or to for-profit and not-for-profit agencies (on a fee-for-service basis).

Action Deadlines: 2000-2001 Membership Directory will be published in February

Task need: Volunteer to update the outdated list of 400 addresses. Requires a mass mailing and research on those returned bad addresses to correct addresses. **Action Deadline: April 15th.**

Resource Sharing

Chair: Dodie Guffy

Members: Jim Markham, Kathy Heil, Peter Pissierssens, Jan Heckman, Jean Crampon, Catherine Hanson-Tracy

Charge: 1. To Publicize alternative ILL means to the membership i.e. Z39.50 access through Anne Balls' Service, Steve Watkins Union List, local Regional Group Listservs.

2. To contact individual Libraries regarding the Z39.50 project.

3. To act on three tier solution articulated in previous year's charge to Resource Sharing Group.

Action Deadlines: 1. Ongoing discussions and messages on IAMS LIC Listserv. 2. Present statistics regarding names and number of members participating in Z39.50 Project. 3. Report to Board on 3 tier plan March 15.

Nominating

Chair: Paula Wolfe (1999-2001)

Members: Ganeshan Rao (1999-2000)

Charge: To seek two or more candidates, drawn from personal and institutional members in good standing for each of the following selected offices:

Secretary 2001-2003

President-Elect 2003-2004

Action Deadline: Candidates presented to Board two months prior to annual meeting August 10th. Ballots to be sent out prior to September 10th to allow adequate time for voting.

Site Selection

Chair: Steve Watkins (2000-2002)

Members: Roger Kelly (1999-2001), Patti Marraro (1999-2001), Joan Parker (2000-2002)

Charge: Solicit from the entire membership proposals for potential host sites for future conferences. Secure written invitations from potential sites and recommend final contenders to the Executive Board for decision. Committee should keep Board advised of possible sites, invitations received from members throughout the year and maintain a file of these to be deposited with the Secretary.

Action Deadline: Written invitations to be delivered to Board August 15th.

Publications

Chair: Stephanie Haas (2001-2003)

Members: Linda Pikula (2001-2003), Peter Pissierssens, Joan Baron Varley (2001-2003), Pauline Simpson (2001-2003), Jim Anderson (2001-2003), David Hyett

Charge: 1. To encourage superior standards for presentations at IAMS LIC annual meetings, to develop standards for peer review and any other methods meant to encourage superior presentations by members. 2. To act as a mentoring resource to suggest publishing opportunities for members through individual consultations and general web announcements.

Action Deadline: Present report to the Board on March 14th regarding peer review and conference presentations.

Web Committee

Chair: Ruth Gustafson, (1998-2002) Co-Chair: Sally Taylor.

Members: Fred Lohrer (2000-2002), Jan Haspeslagh (2000-2002), Jackie Riley (2000-2002), Jeff Rothal (2000-2002), Gene Major (1999-2001), Maureen Nolan (2000-2002), Lenora Oftedahl (2000-2002), Patti Marraro (2000-2002), Natalie Wiest (2000-2002), Victoria Welborn (1999-2001).

Charge: 1. To maintain and document the IAMSILIC web site structure as needed. 2. To work with the web site contractor on redesign and review of specifications. 3. To mount and maintain IAMSILIC website including site searching, provide full text access to past newsletters and secured access to current publications, and secured access to the membership list and other functionality as determined appropriate by the Committee.

Action Deadlines: Ongoing. To report to the President and Executive Board January 30th or 30 days after contractor begins project. *E-mail discussion list address: webslic@ucdavis.edu*

Special Committees and Task Forces

Second Council of Singers

Members: Janet Webster, Jean Collins, Cecile Thierry, Arlene Cohen, Gene Major, Ad hoc, Linda Pikula

Charge: To help put into action the recommendations of the First Council Of Singers With the following specific charges:

1. To develop a list of experts from the IAMSILIC membership and their areas of expertise
2. To develop a concrete Grant proposal, with a mentor chosen by the Membership Committee (Grant to be solicited not from IAMSILIC, but another Granting Agency)
3. To produce a list of Grant Opportunities /Co-Operating Agencies to be posted on the IAMSILIC website

Action Deadlines: 1. List of Experts to be delivered August 15th, Progress report to President June 15th. 2. Grant Candidate to be chosen by Membership Committee and approved by February 1st. 3. Grant to be prepared by September 30th or date to be determined. 4. List of Grant Opportunities/Co-operating Agencies to be delivered March 15th and ongoing.

Training Committee

Chair: Beth Avery, Co-Chair, (open)

Members: Jan Heckman, Melissa Wong (1999-2001), Paul Nuewanhuysen, Pauline Simpson (2001-2003), Sally Taylor (2001-2003), Joan Baron Varley(2001-2003), Peter Pissiersens, Mary Jane Beardsley

Charge: 1. To determine training needs by phone survey various members

2. To develop training programs to deliver at annual/regional conferences

Action Deadlines: 1. Deliver training needs phone survey responses to Board by February 28th. 2. Deliver abstracts of Training programs planned March 14th

Conference Sponsorship and Exhibitors Committee

Chair: Melissa Wong

Members: Susan Berteaux, Joan Baron Varley, Marthe Melguen

Charge: 1. To solicit and obtain financial support for the 2001 Joint IAMSILIC/EURASILIC Conference in Brest, France to be hosted by IFREMER. 2. To compile methods and procedures to be delivered to Conference Task Force for use of future conference planners/hosts.

Conference Task Force

Chair: Joan Parker

Members: Eleanor Uhlinger, Melissa Wong (will be liason between Conference Sponsorship and Exhibitors Committee and this), Gordon Miller, Joan Coffman, and Denis Abbott.

Charge: 1. To examine the conference structure and recommend timing, venue and content revisions (including articulating the pros

and cons of biennial meetings vs annual meetings.)

2. To work with the Junior President-Elect to identify funding sources for the attendees, and where appropriate solicit grants for attendees.
3. To draft guidelines for conference attendees, including travel amount per diem and housing reimbursement
4. To compile financial records of past conferences, speaker information and other various conference planning information as guidelines to future conference planners, working with the Archivist and past Treasurers and conference planners to compile these records. This includes compiling these records for the current conference being planned in Brest.

Action Deadline: Items 2 and 3 March 23rd, report to Senior President-Elect and Board regarding guidelines, funding sources, etc. Items 1 and 4, prepare report for Board due August 15th.

Web Subject Directory Task Force

Convenor: Ruth Gustafson

Members: Kit Johnson, Mary Lou Cumberpatch, Michelle Bond, Pauline Simpson, Deb Henry, Jan Heckman, Peter Pissiersens, Peter Brueggeman

Charge: To work on creating a BioSites/Yahoo-like subject directory of key Web resources pertinent to the aquatic and marine sciences. This directory to include links/cooperative sharing with resources such as OneFish and OceanPortal. *E-mail discussion list address: iamwebsubj@ucdavis.edu*

Action Deadline: To report on progress to President and Executive Board March 15th

Subject Analysis Committee

Chair: Jim Markham

Members: Craig Emerson, Beth Avery, Jan Haspeslagh

Charge: 1. To finish the LC/ASFA crosswalk and to determine appropriate avenues for distribu-

tion of the information.

Action Deadline: Progress Report to Executive Board due April 15th with Final Report due August 15th.

Electronic Resources

Chair: Charles McFadden

Members: Eleanor Uhlinger, Pam Mofjeld,
Charge: To continue the conversion of past newsletters and proceedings to digital format and other projects deemed necessary

Action Deadlines: Report to Executive Board on Progress January 15th and April 15th

Archives

Chair: Stuart Cooley(2001)

Charge: To collect, organize and maintain the business records of IAMSLIC and its affiliated groups for legal and research purposes.

IAMSLIC Task Force on Special Interest Groups (dissolved by Board action 10/00)

Document Delivery Exploration

Chair: Eirikur Einarsson

Members: Marcel Brannemen, Peter Bruggemen, Jan Haspeslagh

Charge: To determine and document cost effective methods for delivering documents by email and other alternatives to the ARIEL document delivery system

Action Deadlines: Report to Executive Board on Progress April 15th

ILL/Web Interface ad-hoc Committee

(Barbara Butler)

Members: Ruth Gustafson, Kathy Heil, Jan Heckman, Catherine Hanson-Tracy

Charge: To continue the implementation of their recommendations, especially the last supplier function.

Action Deadlines: Progress Report April 30th to Executive Board with final Report due August 30th to Executive Board

Products

Proceedings: Jim Markham

Newsletter: Beth Avery and Roger Kelly

Co operative Projects:

GLODIR: IAMSILIC Members, Regional Groups

IDALAC: IAMSILIC Members

IOC/GEMIM: IODE Resource Kit-IAMSILIC Training Committee and EURASILIC, and individual IAMSILIC members

IODE/TEMA: IAMSILIC volunteer experts to train others in Marine Information Management

IOC Ocean Portal- web analysis team,

Developing Countries Grants project**Needs of Developing Country Members**

Sunita Prasad - basic marine information training, reference materials

Isedorius Agola - journals

Clara Jauregui - training

Jane Barnwell - grants available to South Pacific

CONGRATULATIONS**Judy Ashmore**

Congratulations to Judy on her retirement from the MBL.

Jane Barnwell

Jane has left her position as Librarian at the Palau Community College Library to become the Pacific Specialist at the University of Hawaii at Manoa, Hamilton Library, Pacific Collection. Until she starts at UH on March 19 you can contact her at kiukl@palaunet.com. Cyamus will enjoy having a new member.

Dodie Guffy

Dodie has retired from Texas A&M University, Departments of Oceanography and Atmospheric Sciences. Until further notice you can still reach her at dodie@ariel.met.tamu.edu

Pam Mofjeld

Pam has accepted an 18 month reassignment within the UW Libraries. She will be the first Washington State Cooperative Library Project Coordinator, working higher education institutions in Washington State on projects to enhance library resources and services. Louise Richards will be the Acting Head of the Fisheries-Oceanography Library.

Eleanor Uhlinger

Eleanor Uhlinger started the new year by becoming the Assistant Director for MBL at the Marine Biological Laboratory/Woods Hole Oceanographic Institution Library. You can reach Eleanor at: euhringer@mbi.edu

MBL/WHOI Library

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OTHER NEWS**Karen Brown**

Many thanks to Karen Brown at the Aquatic Plant Information Retrieval System Center for Aquatic and Invasive Plants, University of Florida at Gainesville (kp@gnv.ifas.ufl.edu). An article about IAMSILIC was published in the Winter issue of *Aquaphyte*, a Newsletter about Aquatic, Wetland and Invasive Plants published by Karen's Center. The newsletter is mailed to international research centers, including Malaysia, China, Kuwait, and Sri Lanka.

Kay Hale

News from The Happily Retired Kay Hale, former Librarian of the Rosenstiel School of Marine Science, University of Miami. Many of you know that Kay is spending her first year of retirement

on location in Jerusalem, Israel. She reports that she has volunteered at the Botanical Gardens of the Hebrew University and recently went on an archeological dig near the Dead Sea. Kay will be in Israel until October, 2001. Her email address is halekay@hotmail.com

Roberta Rand

Roberta, formerly of the National Agriculture Library is the new Librarian at the Rosensteel School as of February, 2001. Our always dedicated new member chaser and President, Linda Pikula, has already sent her IAMSLIC membership information.

PUBLICATIONS

BOOKS

Advisory Report on Stock Status, Northeast: 32nd SAW[.pdf]. Woods Hole, MA: NOAA, National Marine Fisheries Service, 2001. 31p.
<http://www.wh.who.edu/saw32advrpt.pdf>

The Northeast Fisheries Science Center (NEFSC-NOAA) has posted the 32nd Northeast Regional Stock Assessment Workshop (SAW) advisory report. The draft report targets fishery managers and provides scientific advice on the status of the resource (e.g., various fish stocks) via technical summaries. The report (.pdf format) includes stock assessments for Gulf of Maine-Georges Bank American Plaice, Sea Scallop, Silver Hake, and Gulf of Maine Haddock. [LXP v4(12) February 14, 2001]

Alire, Camila, ed. *Library Disaster Planning and Recovery Handbook*. New York: Neal-Schuman, 2000. Paperback. ISBN: 1555703739. 616p. \$105.00.

A case study of what actually happened during the 1997 flood at Colorado State University Library. It is also a practical handbook of what to do when disaster

strikes. There are references and appendices for each chapter and an extensive bibliography for the volume. [BA]

Asia-Pacific Migratory Waterbird Conservation Strategy: 1996-2000

<http://www.environment.gov.au/bg/envirom/wet-lands/mwp/apstrat.htm>

Wetlands International (Asia Pacific) and the International Waterfowl and Wetlands Research Bureau (Japan Committee) joined forces to produce this report on a conservation strategy for migratory waterbirds. The report offers background information, an overview of waterbird status and issues, priority actions, and a framework for implementation of the strategy. Also included are figures, tables, and appendices. [LXP v 4(5), October 25, 2000]

Australian Institute of Marine Science. Research Plan 2000-2003.

<http://www.aims.gov.au/pages/research/trp/2000-03/rp0003-00.html>

The triennial plan is based on five Projects which represent the Institute's Strategic Directions— ocean environment, marine biodiversity, marine living resources, ecologically sustainable development, and technological innovation. The projects are: 1) Predicting Climate Impacts upon Marine Ecosystems; 2) Exploring and Conserving Marine Biodiversity; 3) Sustaining Marine Living Resources; 4) Measuring Human Impacts in Coastal Marine Ecosystems, and Deriving Benefits from Marine Biotechnology. [BA]

Boudreau, Bernard P., Jorgensen, Bo Barker. *The Benthic Boundary Layer*. Oxford Univ Pr, 2000. ISBN: 0195118812, \$79.95

Caiti, A., ed. *Experimental Acoustic Inversion Methods for Exploration of the Shallow Water Environment*. Kluwer Academic Pub, 2000. ISBN: 0792363051, \$127.00

Invited papers from a meeting in Carvoeiro, Portugal, in March 1999, which explored the use of acoustics to measure bottom properties and morphology, as well as to probe buried objects within the sediment. [BA]

Dyke, P. P. G. *Coastal and Shelf Sea Modelling*. Kluwer Academic Pub, 2000. ISBN: 0792379950, \$129.00. (Environmental Fluid Mechanics, No 2)

An informal textbook which includes a systematic treatment of the modelling process in a marine context, the inclusion of diffusion in some detail, ecosystems modeling and a brief foray into wave prediction. The last chapter includes fully worked examples modeling and exercises for the reader to try. [BA]

Eaglen, Audrey. *Buying Books: A How-To-Do-It Manual for Librarians*. 2d ed. New York: Neal-Schuman, 2000. Hardcover. ISBN: 1555703712 ; \$62.50. 169p

Eaglen gives a good background on the history of publishing and trends in publishing in part one. Part two giving advice on all aspects of acquisitions from library/vendor relations to the ordering process to automation issues. Contains a glossary of publishing and acquisitions terms, an annotated bibliography and index. [BA]

Estuaries and Clean Water Act of 2000 [pdf]
<http://www.epa.gov/owow/estuaries/2000bill/s835.pdf>

The Office of Water at the Environmental Protection Agency has posted online this document on the new Estuaries and Clean Water Act of 2000. Available in .pdf format, the document summarizes the Act, which emphasizes restoration of estuary habitat. [LXP v.4(6), November 8, 2000]

European Limnofauna. CD-Rom edition. Springer Verlag, 2000. ISBN: 354014708X, \$279.00

Fabricius, K. and P. Alderslade. *Soft Corals and Sea Fans: a comprehensive guide to Indo-Pacific coral reefs*. Townsville: Australian Institute of Marine Science, 2000. Price: to be determined.

Over 90 genera in 22 families of soft corals and sea fans (Alcyonacea, Octocorallia) are found in the tropical shallow waters of the Indo-Pacific. Plates of under-water photographs, sclerite drawings, and detailed descriptions of the taxonomic and ecological characteristics introduce the reader to each of the 90 genera. It will allow reliable identification of soft corals and sea fans both in the field, from underwater photographs, and in the laboratory. [MT, BA]

Fishing In the Dark. Conference Proceedings. 2000. World Wildlife Federation.
<http://www.fishing-in-the-dark.org/index.htm>

On November 28-29, 2000 WWF's Endangered Seas Campaign and The European Policy Centre sponsored a symposium to promote improved transparency and accountability in fishing subsidies. While the symposium focused on the European Union, it covered political and technical issues from a global perspective including cases from Asia, North America, the Nordic Countries. The major presentations are available at the web site in audio. There is an excellent list of related links. [BA]

The Fridtjof Nansen Institute. Yearbook of International Co-operation on Environment and Development 1999/2000. 8th ed. ISSN: 1500-7421. Available at <http://www.ext.grida.no/ggynet/>

The Yearbook "aims to demonstrate the international community's position on specific environment and development problems, the main obstacles to effective international solutions, and how to overcome them. It assesses the achievements and the shortcomings of international co-operation, and helps the reader to distinguish between rhetoric and reality." Sections include: 1) international agreements on environment and development including

specific section on the marine environment, marine living resources, and freshwater resources; 2) intergovernmental organizations (IGOs), including UN specialized agencies, which give the organization's objectives, structure, decision making bodies, publications and Internet presence; 3) international non-governmental organizations (NGOs) with objectives, structure, decision making bodies, activities, finances, publications and Internet presence; 4) country profiles which gives financial contributions to main agreements and intergovernmental organizations with % of the budget and primary environmental indicators; and 5) selected Internet sources, including links to marine environment, marine living resources and freshwater resources. [BA]

Hobbie, John E., ed. *Estuarine Science: A Synthetic Approach to Research and Practice.* Island Press, 2000. Paperback. ISBN: 1559636998, \$60.00. 416p.

Contains the plenary talks and workshop reports from a 1995 meeting which focused on the need to synthesize information from the limited studies of river estuaries in order to recognize larger patterns that can be used to develop better management approaches and techniques. [BA]

Ivanov, Leonid I., Oguz, Temel eds. *Ecosystem Modeling As a Management Tool for the Black Sea, Proceedings of the NATO Tu Black Sea Project, Zori Rossii Ukraine, 15—19 June 1997.* Kluwer Academic Pub, 2000. ISBN: 0792352440, \$55.00. 2 vols.

Contains the papers from June 1997 symposium on 1993-1997 TU-BLACK SEA Project held near Sevastopol, Ukraine. The papers in volume 1 are about the NATO TU-BLACK SEA Database and Database Management System, Black Sea biogeochemistry, and the biological structure of the. Volume 2 contains papers on physical processes, and modeling of the circulation and ecosystems of the Black Sea. [BA]

Jones, Stephen. *Working Thin Waters: Conversations with Captain Lawrence H. Malloy, Jr.* Hanover, NH: University Press of New England, 2000. ISBN 1-58465-103-2. 376p. \$29.95.

Capt. Larry Malloy, Jr was an oysterman, freight hauler and salvager in the waters of Long Island Sound and the Connecticut coast. This is a tale of the cultural and economic changes from the 1930s to the 1990s. Of particular interest in the description of the oystering business and taking scientists on research expeditions. [BA]

Kovacs, Diane. *Building Electronic Library Collections: The Essential Guide to Selection Criteria and Core Subject Collections.* New York: Neal-Schuman, 2000. ISBN: 1555703623. 217p. \$75.00

Kovacs does not present a list of sites. Instead, she has developed a more scientific approach for collecting and storing electronic information. The web sites that are included focus more on metasites and how to collect and organize them. Included are case studies and bibliographies. Among the sections are ready-reference, science and technology, and legal. The index includes ready-reference web sites. [BA]

Lazarus, Barbara, Lisa M. Ritter, and Susan A. Ambrose. *The Woman's Guide to Navigating The Ph.d. in Engineering & Science.* Piscataway, NJ: IEEE Press, 2001. Paperback. ISBN 0-7803-6037-0. 144p. \$29.95.

While this guide is designed to help women doctoral students survive and thrive in graduate school much of it will be useful to all graduate students. Each chapter covers a different aspect of graduate school, from what is a doctoral education, to the advisor, to identifying funding sources, to writing the dissertation, to looking for a job. There is a focus on the emotional and social difficulties, such as self esteem, feeling alone and balancing competing needs, that women may experience, and some practical advice for surviving and thriving in graduate school. [BA]

McClanahan, Tim R., Sheppard, Charles R. C. , Obura, David O., Sheppard, Charles, Eds. Coral Reefs of the Indian Ocean: Their Ecology and Conservation. Oxford Univ Press, 2000. ISBN: 0195125967, \$85.00

Michelson, G.F. *Hard Bottom: A Novel*. Hanover, NH: University Press of New England, 2000. 400p. ISBN 1-58465-081-8. \$24.95

Story of a Cape Cod fisherman's struggle to compete with the large-scale commercial fisheries and struggle against the town because of his refusal to sell water rights to his land. Ollie Cahoon's emotional and financial struggles are played against vivid descriptions and rhythms of the sea. [BA]

National Reconnaissance of Emerging Contaminants in the Nation's Waters

<http://toxics.usgs.gov/regional/emc.html>

This fact sheet from the USGS gives an overview of the stream sampling being done by the USGS Tonics Hydrology Program in order to provide baseline information on the potential environmental occurrence of select "emerging contaminants" (such as human and veterinary pharmaceuticals, industrial and household wastewater products, and sex and steroidal hormones). Color maps of nationwide stream sampling sites and well sampling sites (designated as urban, agricultural, or other) are provided. A table of the target compounds is also accessible. [HCS v.4(6) November 8, 2000]

National Water Quality Inventory: 1998 Report to Congress[.pdf]

<http://www.epa.gov/305b/98report/>

Released online on November 8, this report from the EPA is "the twelfth biennial report to Congress and the public about the quality of our nation's rivers, streams, lakes, ponds, reservoirs, wetlands, estuaries, coastal waters, and ground water." For the first time,

the report also contains a chapter on drinking water with information provided by states, territories, and American Indian tribes. The full report, along with fact sheets and appendices, is available in .pdf format at the EPA site. [MD 7(28), November 28, 2000]

Philbrick, Nathaniel. *In the Heart of the Sea : The Tragedy of the Whaleship Essex*. Viking, 2000. 302 p. ISBN: 0670891576, \$24.95.

Philbrick looks at the early 19th-century Pacific whaling industry through the events surrounding the sinking of the Nantucket whaleship Essex by an 85-foot bull sperm whale and the following events. In the early pages of the book the basics of life aboard a whaler are described including harpooning, the importance and mechanics of blubber production. After the Essex's sinking west of the Galapagos Islands on November 20, 1820, the 20 men who escaped drifted in three small boats for more than 90 days. Using only celestial navigation the eight remaining sailors reached Chile. They had sailed almost 4,500 nautical miles across the Pacific. [BA]

Roberts, Callum and Julie Hawkins. 2000. *Fully-protected Marine Reserves: A Guide*. World Wildlife Foundation.

http://www.panda.org/resources/publications/water/mpreserves/mar_index.htm

This new book that might be of interest to many is available free in PDF format in on the Internet. It is available in color or black-and-white. The files are large, 1.1M for the black-and-white Part II - Case studies file to 6.8M for the complete color Version. From the introduction page, go to the following web site and click on TOOLKIT MATERIALS in the box on the left to find the book. In addition, there are the scripts for a slideshow on Fully-Protected Marine Reserves in Word and PDF (without the slides) and an overhead presentation on Fully-Protected Marine Reserves in Word and PDF (without the slides) and a Powerpoint version (with sildes); a synoptic map of global coverage of marine protected areas in Powerpoint; and a link to the WWF Marine Protected Areas site. [KLM, BA]

Sokolova, M. N. *Feeding and Trophic Structure of the Deep-Sea Macrobenthos*. Science Pub., 2000. ISBN: 1578080908, \$95.00

Spaulding, Malcolm L., Butler, H. Lee, Eds. *Estuarine and Coastal Modeling: Proceedings of the 6th International Conference, November 3-5, 1999, New Orleans, Louisiana*. American Society of Civil Engineers, 2000. ISBN: 0784405042. \$135.00.

Proceedings includes papers on the on application of models to bays, sounds, lagoons, estuaries, embayments, bights, and coastal seas, in particular to problems in hydrodynamics, water quality, and sediment transports. [BA]

Summary of Changes to the *International Code of Zoological Nomenclature*

<http://www.museum.unl.edu/research/systematics/Orti/ICZN-changes.html>

Guillermo Orti, Assistant Professor, School of Biological Sciences at University of Nebraska, Lincoln, has provided this page. It displays a summary of year 2000 changes to the essential taxonomic reference, *The International Code of Zoological Nomenclature*. [LXP v4(5), October 25, 2000]

Rice, A. L. *The Deep Ocean*. Washington, DC: Smithsonian Inst Press, 2000. Paperback ISBN: 1560988673, \$14.95. 112p. (Natural World Series)

Almost one hundred color photographs are used to tell the story of oceanography, how it has developed as a science and looks at what is known about the organisms that live in the deep ocean. [BA]

Tenopir, Carol and Donald King. *Towards Electronic Journals: Realities for Scientists, Librarians and Publishers*. Special Libraries Association, 2000. xxii, 488pp. Paperback.

ISBN 0-87111-507-7. \$59.00.

Give facts, figures and analysis on the production and use of scholarly journals. Gives a good introduction to the journal field from its beginnings to now. Discusses the potential impact of e-journals, the whys of the costs of journals, alternative pricing models. The readership of journals is examined in depth in Chapter 7. A *Precis* of Tenopir on Electronic - Journals can be found at *Psychology*: 11(084) <http://www.cogsci.soton.ac.uk/psyc-bin/newpsy?11.084>. [BA]

U.S. Global Change Research Program. National Water Assessment Group. *Water: The Potential Consequences of Climate Variability and Change: The Report of the Water Sector Assessment Team of the National Assessment of the Potential Consequences of Climate Variability and Change*. [pdf, MS Word]

<http://www.pacinst.org/naw.html>

Last month, the Pacific Institute and the Department of the Interior released this new report entitled "Water: The Potential Consequences of Climate Variability and Change for the Water Resources of the United States." The report was prepared as part of the US Global Change Research Program's (USGCRP) National Assessment of the Potential Consequences of Climate Change. The report summarizes the conclusions of over 1,000 peer-reviewed studies on "the implications of . . . existing climate variability and future climate change for US water resources," and addresses the major impacts of climate variability and change on US water resources including managed water systems, human health, agriculture, forests, and coastal ecosystems. Interested readers may download the report in full (.pdf format) or just the executive summary (.doc). [LXP v 4(10) January 17, 2001]

**Make your plans and obtain your funding for
the IAMS LIC Conference in October
in
Brest , France**

U.S. Internet Council and ITTA Inc. *The State of the Internet.*

<http://www.usic.org/papers/stateoftheInternet2000/intro.html>

Provides an overview of the continuing expansion of the Internet and gives special attention to the increasingly international nature of the Internet. Includes sections on global growth (including a developing country forecast), social trends, technology, electronic business, and looking forward (including the issue of Internet governance). [BA]

U.S. National Academy of Science. National Research Council. Committee on Grand Challenges in Environmental Sciences, Oversight Commission for the Committee on Grand Challenges in Environmental Sciences. *Grand Challenges in Environmental Sciences.* Washington, D.C. National Academy Press, 2000. 88p. ISBN 0-309-07254-9, \$27.00

<http://books.nap.edu/catalog/9975.html>

Not yet available in print, this forthcoming title from the National Academy Press (NAP) is accessible in its entirety online. Requested by the National Science Foundation (NSF) and written by the National Academies's National Research Council, this report identifies and describes eight important areas of environmental research for the next generation. Not in order of importance, these challenges are Biogeochemical Cycles, Biodiversity and Ecosystem Functioning, Climate Variability, Hydrologic Forecasting, Infectious Disease and the Environment, Institutions and Resource Use, Land-Use Dynamics, and Reinventing the Use of Materials. As with all online NAP titles, the report can be read and browsed using the Open Book interface. [MD]

U.S. National Academy of Science. National Research Council. Ocean Studies Board. *Recruiting Fishery Scientists: Workshop on Stock Assessment and Social Science Careers.* Washington, D.C. National Academy Press, 2001. 36p. ISBN 0--309-07308-1. \$12.00.

<http://www.nap.edu/catalog/10000.html>

Summaries of papers from a workshop sponsored by the U.S. National Marine Fisheries Service on July 17, 2000 in Woods Hole, MA on ensuring an adequate future supply of stock assessment scientists. [BA]

U. S. National Oceanic and Atmospheric Administration. National Climatic Data Center *Climate 2000 - Annual Review.*

<http://www.ncdc.noaa.gov/ol/climate/research/2000/ann/ann.html>

The National Climatic Data Center of the National Oceanic and Atmospheric Administration (NOAA) has recently released its annual review of the climate for the year 2000. Graphs presented include annual global mean surface mean temperature anomalies for land and ocean (1880-2000), MSU (microwave sounding unit) lower troposphere and surface temperature anomalies (1980-2000), radiosonde and surface temperature anomalies (1960-2000), annual global precipitation anomalies (1900-2000), and regional temperature anomalies for January-December 2000. Explanatory text is provided, along with links to a summary of the climate and significant weather events of the US for the year 2000. The US had the warmest winter on record during 2000. [HCS v 4(10) January 17, 2001]

University of California's Marine Council. Select Scientific Advisory Committee on Decommissioning. *Ecological Issues Relating to Decommissioning of California's Offshore Production Platforms.* November 8, 2000. [.pdf].

http://www.ucop.edu/research/ucmc_decommissioning/

Explores the ecological consequences of five options for decommissioned coastal platforms, including leaving complete inactive structure in place, complete removal, leaving lower portion and removing top portion, toppling in place, and toppling in a new location. Report ends with general conclusions.

[JaW, BA]

Veron, J.E.N. *Corals of the World* (3 vol set). Townsville: Australian Institute of Marine Science, 2000. ISBN v.1: 0 642 32236 8, v. 2: 0 642 32237 6, v. 3: 0 642 32238 4. The full set, including postage: \$US175 or \$AU265.

This book is the outcome of comprehensive taxonomic revisions of all reef-building corals. Contains non-technical summaries of the distinguishing characters of all species, genera and families. Information about the colours, habitats and abundances of all species and the history of discovery. References to taxonomic detail and regional field guides. Chapters on 'what are species?', evolution, biogeography, the fossil record, coral reefs, the structure of corals, reproduction and dispersal, geological history, evolution of species. Contains 900 distribution maps, over 3,300 underwater photographs and 100 works of art reveal the microscopic detail. For further information:

<http://www.aims.gov.au/pages/coralsworld/cotw01.html>. [MT, BA]

The Web: The Next Generation. Proceedings of the Ninth International World Wide Web Conference, 2000.

<http://www9.org/>

The papers and posters are available. Topics covered include performance, security, web characterization, practice and experience, hypermedia and link analysis, search and ranking, tools, hypermedia, data mining. Papers of interest include "Web search behavior of internet experts and newbies" by Christoph Hölscher and Gerhard Strube, "Concepts for improved visualization of web link attributes" by Harald Weinreich and Winfried Lamersdorf; "SearchPad: Explicit Capture of search context to support web search" by Krishna Bharat. Interesting posters include "Web scholars" by Simon Kampa and

Les Carr; "Ten days in the life of hotbot and snap - a case study" by Judit Bar-Ila. [BA]

ARTICLES

Alpert, Mark and George Musser. Wireless Web Special Report. *Scientific American*. October 2000. Available at <http://www.sciam.com/2000/1000issue/1000quicksummary.html>

This special report posted last month by *Scientific American* consists of a series of articles on "the latest and greatest technomodel, the wireless Web." The featured articles cover the challenges and achievements particular to wireless technology. After a brief introduction, the special report leads off with "The Internet in Your Hands," which discusses the push for faster speeds and new software and hardware to enable handheld devices to handle more and more different kinds of data. "The Promise and the Perils of WAP" gives the pros and cons of the Wireless Application Protocol, while "The Future Is Here. Or Is It?" is largely skeptical of Web phones. The final article, "The Third-Generation Gap," focuses on the array of technologies all falling under the rubric of third-generation, so called 3G, wireless systems. With clickable sidebars and copious hyperlinks leading to off-site explications of key terms and concepts, this special report is ideal for readers who want to learn more about wireless technology. [TK v7(25), November 3, 2000]

Effects of Aquaculture on World Fish Supplies [.pdf] *Issues in Ecology* no.8, Winter 2001

<http://esa.sdsc.edu/issues8.pdf>

Issue 8 of *Issues in Ecology* has been posted online. This issue (.pdf format) provides insight into the ecological effects of aquaculture on world fish supplies. The previous seven issues of this series may also be viewed at the Ecological Society of America's *Issues in Ecology* home page

<http://esa.sdsc.edu/issues.pdf>. [LXP v. 4(12), February 14, 2001]

Guernsey, Lisa. 2001. Mining the 'Deep Web' With Specialized Drills. New York Times Online, January 25, 2001.

<http://www.nytimes.com/2001/01/25/technology/25SEAR.html>

Discusses the trend to "boutique" search engines that search deep in the hidden web, that is the over 500 billion pages not searched by traditional search engines. [BA]

Morgan, Eric Lease, Ed. 2000. Special Issue: User-customizable library portals. *Information Technology and Libraries* 19(4).

<http://www.lita.org/ital/ital1904.html>

Four of the seven articles are available in full text at this site (marked with an *). The balance are available from the authors. 1) *Challenge of User-Centered, Customizable Interfaces to Library Resources by Eric Lease Morgan; 2) *Personalized Library Portals as an Organizational Culture Change Agent: Reflections on Possibilities and Challenges by Amos Lakos and Chris Gray at 3) *Too Many Channels: Making Sense out of Portals and Personalization by Debra S. Ketchell; 4) My Gateway at the University of Washington Libraries by William Jordan; 5) *VCU's My Library: Librarians Love It.... Users? Well, Maybe by Jimmy Ghaphery And Dan Ream; 6) Pioneering Portals: MyLibrary@NCState by Keith Morgan And Tripp Reade; 7) The Development and Launch of the HeadLine Personal Information Environment by Anne Gambles [BA]

Morse, David H. and William A. Clintworth. 2000. Comparing patterns of print and electronic journal use in an academic health science library. *Issues in Science and Technology Librarianship* Number 28, II.

<http://www.library.ucsb.edu/istl/00fall/refereed.html>

The study results showed that for journal volumes in the study subset (the 1998 volumes of 194 titles),

users accessed the electronic versions more than ten times as often as the print versions during the six-month study period. It also revealed that in the print and electronic data 20% of titles accounting for nearly 60% of usage. [PB,BA]

Ocean Biogeographic Information System" (OBIS): an on-line, worldwide atlas for accessing, modeling & mapping marine biological data in a multidimensional geographic context. *Oceanography* v13 no3 (2000) is a special issue.

This is an impressive attempt to 'catalog & make accessible' oceanographic life sciences data. Many IAMSLICers may want to become or may be asked to become involved in local efforts! We've been attempting to do some of these things for years so it would be nice to get the librarians & scientists working more closely together. [EU]

Ryosuke Motani. Rulers of the Jurassic Seas. *Scientific American* 283(6): 52-60, December 2000.

Also available at:

<http://www.sciam.com/2000/1200issue/1200motani.html>

Available free from *Scientific American's* Website, this article takes a thorough and fascinating look at the marine reptiles known as Ichthyosaurs that lived during the Mesozoic Era. The text covers recent discoveries about the evolution of Ichthyosaurs from land dwelling reptiles, including limb adaptations. Highlights of the article are special sections about ichthyosaur eyes and diet, and color illustrations and diagrams. The text contains hyperlinks to related pages (Britannica.com, Tree of Life, American Cetacean Society, etc.). "Rulers of the Jurassic Seas" is a good read for students of paleontology or marine science. [HCS v.4(9), December 20, 2000]

Schneider, Karen. The Distributed Librarian: Live, Online, Real-Time Reference. *American Libraries* November 2000.

<http://www.ala.org/online/netlib/il1100.html>

Discusses the impacts, possibilities, and importance

of 24/7 digital reference. [BA]

Whithers, Rob, Rob Casson, Aaron Shrimplin, and Katherine C. Adams. Information architecture: Tools for cutting-edge Web developers. C&RL News, October 2000. Available at: <http://www.ala.org/acrl/resoct00.html>

“Internet Resources” is a regular column in C&RL News. While this article provides links to many online resources that go beyond basic web design (i.e. very technical), there are links to some sites that expand on topics from the IAMSLIC 2000 conference. [SB]

FAO DOCUMENTS

Advisory Committee on Fisheries Research. Report of the Working Party on status and trends of fisheries. Rome, 30 November - 3 December 1999 FAO Fisheries Report No 616 2000, 22p. ISBN 92-5-104501-1 \$10.00

The Working Party met to consider how fishery status and trends reporting could be improved in terms of quality, scope and timeliness and better coordinated to allow a more systematic synthesis of information from national to regional and global levels. [JC]

Asia regional technical guidelines on health management for the responsible movement of live aquatic animals and the Beijing consensus and implementation strategy FAO Fisheries Technical Paper No. 402. 2000, 68 pp. ISBN 92-5-104498-8 \$12.00.

An FAO Technical Cooperation Programme Project “Assistance for the Responsible Movement of Live Aquatic Animals” was launched by the Network of Aquaculture Centres in Asia-Pacific in 1998, with the participation of 21 countries from throughout the region. This programme complemented FAO’s efforts in assisting member countries to implement the relevant provisions in Article 9 - Aquaculture Development - of the Code of Conduct for

Responsible Fisheries, at national and regional levels. Technical guidelines on Asia regional health management for the responsible transboundary movement of live aquatic animals were developed and presented to the participating countries at a workshop held in Beijing, China, from 27 to 30 June 2000. Recognizing the crucial importance of implementation of the technical guidelines, the participants prepared a detailed implementation strategy, the Beijing consensus and implementation strategy, focusing on national strategies and with support through regional and international cooperation. The country representative gave unanimous endorsement of the technical guidelines, in principle, as providing valuable guidance for national and regional efforts in reducing the risks of disease caused by the transboundary movement of live aquatic animals, and unanimously approved the associated implementation strategy. This document contains the technical guidelines, Beijing consensus and the implementation strategy. [JC]

Codex Alimentarius Vol. 1A - General Requirements. Second edition (Revised 1999) 2000, 398p. ISBN 92-5-104472-4. \$35.00.

The Codex Alimentarius is a code of food standards for all nations. It was developed by an international commission established in 1962 when the Food and Agriculture Organization of the United Nations (FAO) and the World Health Organization (WHO) recognized the need for international standards to guide the world’s growing food industry and to protect the health of consumers. The purpose of Codex Alimentarius is: “... to guide and promote the elaboration and establishment of definitions and requirements for foods, to assist in their harmonization and, in doing so, to facilitate international trade”. Volume 1 of the Codex Alimentarius, General requirements, contains those standards, codes and other texts that are generally applicable to all food commodities. It consists of two parts, the first part (Volume 1A) dealing with all matters except food hygiene, the second part (Volume 1B) containing general food hygiene texts. Volume 1 is the basic reference document for all other volumes in the

Codex Alimentarius. The revised third edition includes the new texts, amendments and revisions adopted by the Codex Alimentarius Commission at its 23rd Session, held in Rome from 28 June to 3 July 1999. Also in Spanish Codex Alimentarius. Vol. 1A - Requisitos generales. Segunda edición (Revisada en 1999) 2000, 408 págs. ISBN 92-5-304472-1 \$35.00 [JC]

**Conversion factors - landed weight to live weight
FAO Fisheries Circular No. 847, Rev. 1 2000, 186
pp., trilingual (En/Fr/Es) \$40.00**

This circular is the second attempt to produce a worldwide collection of data on conversion factors from landed or product weight to live weight by species, by type of processing and by country, for a wide range of onboard processing methods. Three annexes are also included: (1) a list of fishing areas, (2) a glossary of dressing and preserving terms, and (3) a list of countries, and the index of scientific and trilingual names. Also Factores de conversión - de peso desembarcado a peso en vivo FAO Circular de Pesca No. 847. Rev. 1 2000, 186 págs., trilingüe (En/Fr/Es) \$40.00 [JC]

Demographic change in coastal fishing communities and its implications for the coastal environment. FAO Fisheries Technical Paper No. 403 2000, 164p. ISBN 92-5-104489-9. 18.00

Increase in the number of fishers as a result of population growth and migration to coastal fishing communities can be a contributing factor in the overexploitation of fisheries resources and deterioration of the coastal environment. The findings of the UNFPA-FAO project, "Strengthening of research and training on population and development dynamics of rural fishing communities", summarized in this document, suggest that contrary to the assumed global trend, the number of coastal fishers has started to decline or stagnate in recent years in some developing countries. The findings further suggest that artisanal fisheries no longer are a "last resort employment" for people in some coastal areas. [JC]

European Inland Fisheries Advisory Commission - Report of the Symposium on Fisheries and Society. Social, Economic and Cultural Perspectives of Inland Fisheries. Budapest, Hungary, 1-3 June 2000. FAO Fisheries Report No. 625, Supplement. 2000, 52 p. ISBN 92-5-104485-6. \$12.00

The Symposium demonstrated that the value of the inland fisheries resources in member countries of EIFAC considerably exceeds previous estimates. Indications are that in coming years there will be an increased demand for inland fishery products including especially recreational use. Inland fisheries resources will not be able to sustain increased levels of production and alternative use without careful management. Members of EIFAC, therefore, should endeavour to encourage policies directed at increasing the capacity of the inland fisheries to sustainably meet the expectation that the public has of them [JC]

Fisheries Management. 1. Conservation and management of sharks FAO Technical Guidelines for Responsible Fisheries No. 4 Suppl. 1 2000, 48 p. ISBN 92-5-104514-3. \$8.00

These guidelines have been produced to support implementation of the International Plan of Action for the Conservation and Management of Sharks. They are addressed to decision-makers and policy-makers associated with conserving shark and other chondrichthyan species and with managing the harvest of these resources, but they should also be of interest to fishing industries and other parties. The guidelines are intended to provide general advice and a framework for development and implementation of Shark Plans and Shark Assessment Reports prepared at national, subregional and regional levels. [JC]

Fishery trade flow (1995-1997) for selected countries and products. FAO Fisheries Circular No. 961 2000, 354 p., trilingual (En/Fr/Es) Job No. X 9285/Tri \$32.00

Average statistics, in quantity and value, are presented for selected countries and products or product groups, arranged by country of origin of imports and by country of destination of exports. Commodity tables for each trade flow are presented. Data in this publication may differ from those published in the FAO Yearbook of Statistics-Commodities, as they may have been supplied by a different source and have a different purpose. [JC]

General Fisheries Commission for the Mediterranean. Report of the twenty-fifth session. Sliema, Malta, 12-15 September 2000 GFCM Report No. 25 2000, 34 p. ISBN 92-5-104513-5. \$12.00

The main issues discussed during the meeting were the scale of contribution to an autonomous budget, the conclusion and recommendations resulting from the second session of the Aquaculture Committee and the third session of the Scientific Advisory Committee. Activities carried out by the two supporting projects ADRIAMED and COPEMED were also reviewed. The Commission agreed upon the scale of contribution that would be applicable to the GFCM autonomous budget once the agreement entered into force. [JC]

Indicadores para el desarrollo sostenible de la pesca de captura marina. FAO Orientaciones Técnicas para la Pesca Responsable No. 8 2000, 74 págs. ISBN 92-5-304333-4. \$8.00

La colección «Orientaciones técnicas para la pesca responsable» proporciona nociones generales sobre el desarrollo sostenible de la pesca y explica las razones por las cuales se necesita un sistema de indicadores para el seguimiento de la pesca y su contribución al desarrollo sostenible. La presente publicación complementa el volumen La ordenación pesquera, pero ofrece una perspectiva más amplia y necesaria para un enfoque sectorial y completo de la sostenibilidad en el ámbito pesquero. Se examinan todas las dimensiones de la sostenibilidad del sector: ecología, economía, aspectos sociales e institucionales. También se ofrece información sobre el tipo de

indicadores y los correspondientes puntos de referencia. Se destacan distintos marcos conceptuales que se utilizan para organizar en una imagen coherente los indicadores y los puntos de referencia, según los objetivos, limitaciones y estado de los distintos elementos del sistema. El texto incluye gráficos que pueden ser útiles para transmitir información a los responsables de las políticas y a un público más amplio. También se examina el proceso de establecimiento de un sistema de referencia del desarrollo sostenible y varias cuestiones operativas conexas. [JC]

Interactions between fish and aquatic macrophytes in inland waters. A review FAO Fisheries Technical Paper No. 396 2000, 194p. ISBN 92-5-104453-8. \$24.00

For a fishery manager it is important to understand the role of aquatic macrophytes in inland waters, as this will assist in adjusting strategies for optimizing capture fisheries. Fish, crayfish, some mammals and birds and some other organisms use macrophytes to their benefit, such as spawning, nursery, feeding grounds and as a refuge. Macrophytes play an important role in the fish food chain, especially as a substrate for aquatic organisms on which the fish feed. Aquatic plants have a controlling effect on prey-predator interrelationships, have an important function in water quality and, hence, can be used in biomanipulation for improving fish stocks. Special plant communities, such as floating meadows of varzea and igapo, are essential for fish and fisheries in the Amazon basin, while sudd formation may lead to the reduction in fish stocks. The present review has been compiled in response to requests for an update on such interactions, and aims to assist policy planners, managers, field specialists, and other persons interested in this topic. [JC]

Rapport de la Consultation technique sur la mesure de la capacité de pêche. Mexico, Mexique, 29 novembre - 3 décembre 1999 FAO Rapport sur les pêches No. 615 2000, 60 p. ISBN 92-5-204419-1. 14.00

La Consultation a examiné les questions de mesures liées à l'application du Plan d'action international pour la gestion de la capacité de pêche adopté par le Comité des pêches de la FAO à sa vingt-troisième session en février 1999. Vingt-six documents techniques ont été présentés à la Consultation pour servir de base aux délibérations. Les débats ont eu lieu dans le cadre de deux groupes de travail chargés d'étudier des questions liées à l'évaluation de la capacité globale de pêche et à la mesure de la capacité de pêches spécifiques. La Consultation a adopté le rapport succinct de chacun de ces groupes de travail tels qu'ils figurent dans le présent document. Le compte rendu intégral de leurs travaux fait également l'objet des annexes H et J du document. [JC]

Papers presented at the Expert Consultation on Sustainable Fishing Technologies and Practices. St. John's, Newfoundland, Canada, 1-6 March 1998. FAO Fisheries Report No. 588, Supplement 2000, 208 p. ISBN 92-5-104525-9. \$34.00

This publication contains the 17 invited papers that were presented and discussed at the Expert Consultation. The papers cover four broad categories. The first section deals with the methodologies for development and assessment of the effectiveness of fishing gears. The second section deals with the review of impact assessments of fishing activities on the marine habitat. Representative examples of sustainable fishing technologies and practices are dealt with in the third part and finally the fourth and final section deals with the introduction and implementation of sustainable technologies and practices. [JC]

Report of the Government of India/Government of Andhra Pradesh/FAO Workshop on measures to reduce loss of life during cyclones. Vishakapatnam, Andhra Pradesh, India, 4-6 March 1999 FAO Fisheries Report No. 622 2000, 76p. ISBN 92-5-104467-8. \$12.00

Since 1970 over 1.5 million people have died as a result of cyclones in the Bay of Bengal region alone.

An FAO Technical Cooperation Project in India designed to improve certain aspects of disaster mitigation was completed at the end of 1999. The experiences gained from this project were discussed at this workshop together with experiences of relevant professionals from India and other countries in the region actively working on cyclone disaster preparedness and management. The participants represented National and State Governments, National and State fisheries administrations, National and State meteorological organizations, fishers' associations, Indian Coastguard, Mercantile Marine Department, gender specialists and NGOs. Four sets of recommendations were made by four working groups covering these areas. Report of the twenty-first session of the European Inland Fisheries Advisory Commission. Budapest, Hungary, 1-7 June 2000 FAO Fisheries Report No. 625 2000, 48 p. ISBN 92-5-104484-8 Job No. X8231/E \$12.00 The twenty-first session of the European Inland Fisheries Advisory Commission (EIFAC) was held in concomitance with a Symposium on Fisheries and Society. The session reviewed EIFAC's activities since 1998 in the fields of fishery biology and management, aquaculture, protection of the aquatic resource, and social and economic issues. EIFAC revised and decided its future programme of work, and in particular the activities which should be carried out until the next session of the Commission in 2002, planned to be held in the United Kingdom and preceded by a Symposium on Inland Fisheries Management and the Aquatic Environment. [JC]

Report of the Expert Consultation on Economic Incentives and Responsible Fisheries. Rome, 28 November - 1 December 2000 FAO Fisheries Report No. 638. 2000, 34 p. ISBN 92-5-104538-0 \$12.00

The Consultation identified priorities for further research about the impact of subsidies. In respect of impact on fishery resources priority for future study was given for the following categories: "capital expansion", "tax waivers and deferrals" and "price support". With respect to impact on trade, the experts assigned priorities to future study of actions that would "reduce the relative price of inputs" and

“reduce fishing effort” and to “management and regulatory actions”. [JC]

Report of the Expert Consultation on the Proposed Sub-committee on Aquaculture of the Committee on Fisheries FAO Fisheries Report No. 623. 2000, 46 p. ISBN 92-5-504449-4. \$12.00 IN CHINESE

The Expert Consultation confirmed that the growing importance of aquaculture, including culture-based fisheries, and its interactions justified a focused global intergovernmental mechanism to provide the opportunity for information exchange, discussion and consensus-building among the various parties interested in aquaculture development and to establish an efficient means of advising and guiding COFI and FAO. The consultation identified the major issues and six key priority areas that need to be addressed, emphasizing that the role of aquaculture for enhancing food security and economic development in FAO member countries was a primary priority. Also in Arabic: Report of the Expert Consultation on the Proposed Sub-committee on Aquaculture of the Committee on Fisheries FAO Fisheries Report No. 623 2000, 46 p. ISBN 92-5-604449-8. \$12.00 [JC]

Report of the KMI/APRACA/FAO Regional Workshop on the effects of globalization and deregulation on marine capture fisheries in Asia and the Pacific. Pusan, Republic of Korea, 11 - 15 October 1999. FAO Fisheries Report No 624. 2000, 136p. ISBN 92-5-104502-X \$32.00

The Workshop was hosted by the Korea Maritime Institute (KMI) and organized by the Fishery Industries Division of FAO in cooperation with the Asia Pacific Rural and Agricultural Credit Association (APRACA). The findings and recommendations of the Workshop suggest that many countries in Asia and the Pacific benefit from globalization and deregulation. These benefits include improved quality and better access of their fishery products to markets in other countries within and outside Asia and the Pacific, increased export earnings, exchange

of technology, increased productivity and efficiency and better supply of fishery products for local populations through liberalization of imports of fishery products. The negative effects of globalization and deregulation identified in the Workshop included increased competition for the small-scale domestic fisheries sector mainly through import of low-priced fish products. [JC]

Report of the second ad hoc Technical Meeting on the future of the Southwest Indian Ocean Committee. Antananarivo, Madagascar, 11-12 July 2000. FAO Fisheries Report No. 633. 2000, 38p., Bilingual (En/Fr) ISBN 92-5-004481-X. \$12.00

The Meeting reviewed a draft agreement for the establishment of a regional fisheries body in the Southwest Indian Ocean. The major items of discussion were the area of competence, membership, functions and finance of the regional body. Eight members of the former Committee for the Development and Management of Fisheries in the Southwest Indian Ocean as well as the European Community were present at the meeting. [JC]

Report of the Technical Consultation on illegal, unreported and unregulated fishing. Rome, 2-6 October 2000. FAO Fisheries Report No. 634. 2000, 44p. ISBN 92-5-104510-0. \$12.00.

The Consultation worked towards concluding a draft international plan of action (IPOA) to prevent, deter and eliminate illegal, unreported and unregulated (IUU) fishing. The draft presented in this report relates to the introduction of the IPOA as well as the nature and scope of IUU fishing, objectives and principles, key actions in combating IUU fishing (including all State, flag State and port State responsibilities), internationally agreed market-related measures, research, regional fisheries management organizations, special requirement of developing countries, reporting and the role of FAO. Although sound progress was made in the Consultation towards reaching agreement on many of the complex issues to be addressed in the IPOA, it was

agreed by the Consultation that an additional session would be required to refine the text prior to it being submitted to the twenty-fourth Session of the Committee on Fisheries in February 2001 for consideration and possible acceptance. Also in Chinese: Report of the Technical Consultation on Illegal, Unreported and Unregulated Fishing FAO Fisheries Report No. 634. 2000, 52 p. ISBN 92-5-504510-5. Job No. X8623/Ch. \$12.00. Also in Spanish: Informe de la Consulta Técnica sobre la Pesca Ilegal, no Declarada y no Reglamentada. Roma, 2-6 de octubre de 2000 FAO Informe de Pesca No. 634. 2000, 46 págs. ISBN 92-5-304510-8. \$12.00. Also Rapport de la Consultation technique sur la pêche illicite, non déclarée et non réglementée. Rome, 2-6 octobre 2000 FAO Rapport sur les pêches No. 634 2000, 50 p. ISBN 92-5-204510-4 \$12.00. Also in Arabic: Report of the Technical Consultation on Illegal, Unreported and Unregulated Fishing FAO Fisheries Report No. 634 2000, 52 p. ISBN 92-5-604510-9. \$12.00 [JC]

Report of the Workshop on participatory approaches in aquaculture. Bangkok, Thailand, 28 February - 1 March 2000. FAO Fisheries Report No 630. 2000, 48p. ISBN 92-5-104506-2. \$12.00.

During this Workshop the use of participatory approaches was analysed in eight aquaculture case studies from different countries in Asia and one from Africa. The main conclusion was that there are no "absolutes" in participation and a wide range of different degrees and forms of participation may be manifested in the development process. Participatory approaches proved to be particularly helpful in improving understanding of the role of aquaculture in rural livelihoods (as opposed to focusing purely on aquaculture as a technical activity) and in understanding the attitudes and perceptions of the people involved. The real potential of participatory approaches lies not just in the improvement of the understanding of aquaculture development workers but in the building of the capacity of end-users of aquaculture to make decisions more effectively about aquaculture and its place in their livelihood strategies. Participatory approaches are commonly regarded as an essential part of sustainable livelihoods. [JC]

Report of the workshop on the small pelagic resources of Angola, Congo and Gabon. Luanda, Angola, 3-7 November 1997 FAO Fisheries Report No. 618 2000, 156p. ISBN 92-5-104476-7. \$20.00

This document includes national reports by Angola, Congo and Gabon on their small pelagic resources and the fisheries utilizing them. At the workshop, a total of seven working groups was formed to look at the following topics: i) methods and results of the hydroacoustic surveys used to estimate the biomasses of small pelagic resources in the three countries; ii) migration and distribution of *Sardinella maderensis*; iii) development of an age-structured model of the *Trachurus trecae* stock; iv) assessments of *Sardinella* sp. and *Trachurus trecae* stocks using surplus production approaches; v) surplus production models and the environment (applications of CLIMPROD); vi) estimation of the growth rate of *Trachurus trecae*; and vii) *Ethmalosa fimbriata*. The reports from each of these working groups are presented in this document together with the final conclusions and recommendations arising from the discussions and analyses undertaken at the workshop. [JC]

Publication Opportunities

Journal Articles

"Overcites" is a feature of *College & Undergraduate Libraries*, a journal that serves busy librarians wanting to examine subjects of importance in the profession. "Overcites" articles are reviews of literature that not only survey the literature of librarianship but trace the development of ideas, project ahead, and advise librarians on pressing needs in undergraduate library service. Recent "Overcites" articles examine mentoring and recruiting librarians.

As the feature editor, I am looking in particular for articles on outcomes assessment, assessing electronic resources, staff motivation, new technology integration, and turning BI into information literacy, although I am open to other ideas. Deadline for proposals for Volume 8, No.

2 is February 20th. Full drafts by April 25. Please send a proposal containing a brief abstract and outline via e-mail to:

dharralson@utica.ucsu.edu

Science and Technology Librarians: Are you looking for a place to publish your work in a peer-reviewed journal?

The editors of Issues in Science and Technology Librarianship (ISTL) invite you to submit your work to to our Refereed Section. Articles submitted to the Refereed Section are put through a blind review by at least two referees. Our turnaround time, from receipt of your article to notification of publication status, is a short 6-8 weeks. Unlike journals from commercial publishers, ISTL does not have a subscription fee or page charges. It is a high quality, society produced electronic publication, freely available to all. Check out two of our recent articles:

Comparing Patterns of Print and Electronic Journal Use in an Academic Health Science Library

<http://www.library.ucsb.edu/istl/00-fall/refereed.html>

Free Scholarly Journals : How Good Are They?

<http://www.library.ucsb.edu/istl/00-summer/refereed.html>

Titles of forthcoming articles in 2001:

Web Sites of Science-Engineering Libraries: Issues and Trends (Winter 2001)

Characterization of Unique Serials Indexed in the Zoological Record (Spring 2001)

The Coming of Age of E-Prints in the Literature of Physics (Summer 2001)

Have questions, comments, or an article to submit? Send them to bchoinski@istl.org.

Book Reviewers Needed

I am in the process of collecting information on

potential book reviewers for a new Haworth journal, *Public Services Quarterly*. The current editor of the journal intends to focus the publication on innovative programs and initiatives in library services. If you are interested in reviewing books for the journal, please email me with your contact information, areas of expertise and interest (e.g. instruction, information literacy, academic reference, distance education, etc.) and a brief description of your academic and professional background as it relates to your listed subject areas. Thank you, Elaine Gass PSQ Book Review Editor, Reference Librarian, Aubrey R. Watzek Library, Lewis & Clark College, Portland, OR 97219 U.S.A., elaineg@lclark.edu, (503) 768-7288,

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Aquatic Information Transfer in the Digital Millennium—A Special Session at ASLO Aquatic Sciences Meeting 2001

Eleanor S. Uhlinger

Last spring I was asked by the convenors of the American Society of Limnology and Oceanography (ASLO) to organize a session for their annual Aquatic Sciences Meeting. I thought IAMSLIC members might be interested in reading more about the session, which was held February 2001 in Albuquerque, New Mexico, USA.

In much the same vein as a successful session organized a few years ago by several IAMSLIC members for an American Fisheries Society meeting, my intent for this session was to bring journal editors, publishers, and librarians together with scientists to discuss emerging trends in scholarly publishing. I am still amazed that while most librarians are fully informed about the 'crisis in scholarly publishing' our scientists are surprised to learn that there is 'a problem' beyond shrinking budgets and librarians canceling their favorite journals. Forums such as this ASLO session are an important way to get the message out to those who are vested in and should be working to change their system. Here is a quick summary of who said what:

Everett Fee, Paul Kemp and Lucille Doucette,

To Our Members

The editors of the *IAMSLIC Newsletter* are interested in publishing more book reviews as opposed to book notices. If you are interested please send an note to Beth Avery, Western State College Library, Gunnison, CO 81230 U.S.A., bavery@western.edu, indicating if you are interested in reviewing scientific or librarianship books.

ASLO: ASLO's ELECTRONIC PUBLISHING INITIATIVES <<http://www.aslo.org>>. They discussed the steps they took to modernize, automate, and get *Limnology & Oceanography* back on track (publishing the journal in a timely fashion and retooling the processes of producing electronic and print versions). While the electronic *L&O* is currently available only to Society members—about ¼ of ASLO members and nearly 2/3 of all ASLO student members are subscribing in e-format only—institutional subscriptions will be available in 2002. The full back file of *L&O* is also available on CD-Rom and via subscription to JSTOR (currently 1956-1997). The editors hope to expand *L&O* by incorporating additional materials/information that do not lend themselves to print (such as video clips, large datasets, etc) into the electronic version. They acknowledged the importance of the ASLO web site as a data repository and archive across time.

Michael Mabe, Director of Academic Relations, Elsevier Science Ltd: SCIENCE COMMUNICATION: FUTURE PERFECT? This presentation described the history of scientific publishing and described how journals are the "minutes of science" because they are a formal record of the scientific process. The case was made that an increase in the number of scientists through time has increased both the number of papers as well as the number of journals. Figures were also presented on the rising costs of subscriptions in relation to library budgets and how those budgets are allocated. While not news to the librarians in attendance, the information presented in this session was very surprising to many of the scientists in the audience. Michael has also alerted the audience to an explanation of journal impact factors at:

<<http://www.elsevier.com/homepage/about/ita/editors/perspectives1.pdf>> .

Julia Blixrud, Assistant Director/Public Programs, SPARC: CREATING CHANGE WITH SPARC--THE SCHOLARLY PUBLISHING AND ACADEMIC RESOURCES COALITION

<<http://www.arl.org/sparc>>. Julia is responsible for SPARC's outreach to the scientific and scholarly communities in order to engage them in dialogues about new ways to approach scholarly communication. Her presentation explained why an organization such as SPARC is needed and was founded and she described each of SPARC's major initiatives in depth: Create Change; Declaring Independence; Open Archives Initiative; SPARC Alternative; SPARC Scientific Communities; and SPARC Leading Edge. Watch for a major announcement about BioOne in early April 2001.

Thomas Clair, T. Smith and G.D. Howell, Environment Canada—Atlantic Region: USING CD-ROM AND WEB TECHNOLOGIES TO PRODUCE NEW TYPES OF SUMMARY AND TECHNICAL REPORTS. This presentation described how nearly 20 years of data, collected from 80 lakes and 5 atmospheric chemistry sites, were combined into an interactive web site (also available as a CD). Publishing such information in electronic format allows wider access to and more flexible use of the data, while also enabling researchers and users to link to external resources. (When this product is ready to launch, the URL and information about obtaining the CD will be posted to IAMS LIC listserv.)

Joan Parker, Moss Landing Marine Laboratories and Monterey Bay Aquarium Research Institute: PERSPECTIVES ON THE DIGITAL REVOLUTION FROM A MARINE LAB LIBRARY. Joan (an IAMS LIC member) presented a number of issues and challenges small libraries face in implementing new technologies and digital information. She engaged scientists in a dialog about the various methods librarians implement and scientists use for finding electronic resources; the loss of "browsing" capabilities when print issues are no longer sitting on our shelves; and new roles for both scientists and librarians in the digital present and future.

Eleanor Uhlinger, MBL/WHOI Library: COPYRIGHT & SCHOLARLY COMMUNICATION IN

THE NEW MILLENNIUM. I gave an overview of copyright law--from the 1710 UK Statute of Anne to the Digital Millennium Copyright Act of 1998--and talked about the impact of such legislation on scientific research and teaching. I also discussed implications of the Sony Bono Term Extension Act and some of the causes for concern regarding pending UCITA legislation—Uniform Computer Information Transactions Act.

Interestingly, moments before our session CNN announced that the battle over Napster will continue in the courts. Public awareness and current events thus made our session ever more pertinent and timely. Following the presentations we engaged in a 45-minute question and answer session with the audience. The scientists asked excellent questions, received answers with varying perspectives from each of the speakers, and will hopefully carry some of the messages and answers they heard back into their scientific communities. I feel that this session met its objective and began a dialogue that will hopefully continue and stimulate future discussions among the aquatic sciences community. I think there is still much to be done regarding scholarly communication and I encourage other IAMS LIC members to reach out to scientific societies, engage in such discussions, and make the issues known.

Abstracts are posted at

<http://www.sgmeet.com/aslo/albuquerque2001/sessionschedule.asp?SessionID=SS29>

Think Brest, France for the Fall

27th Annual IAMS LIC Conference

and

9th EURAS LIC Conference

October 14 - 18, 2001

More Electronic Resources

The text of last month's e-mail message having the greatest impact on electronic resources began:

"... The short answer is that we expect to be able to provide library licenses for all of our journals in 2002".

With these words, Dr. Fred Spilhaus, Executive Director of the **American Geophysical Union** (AGU), indicated the planned availability of AGU publications to institutions. I had been after Dr. Spilhaus for a number of months to come up with an availability date because of the activity by some members of the faculty supported by my branch library at Stony Brook, New York. The Marine Sciences Information Center, the primary client group for this branch, also hosts a number of institutes. Among them is the Institute for Terrestrial and Planetary Atmospheres, known to most of us as ITPA. The faculty associated with this group were delighted when my budget last year was able to support a license to acquire the backfiles for the AMS (American Meteorological Society) publications to which we subscribe. They showed their delight by expressing a common opinion that the addition of electronic versions of the AGU publications would greatly enhance their research efforts. A loose translation would mean that they would not have to travel across the campus to obtain the print versions of the journals closely guarded by the geosciences faculty.

Dr Spilhaus indicated that they were facing several hurdles in making their publications available. *"...Our economic model is based on author prepared copy. Converting authors from typescript to an electronic file we can economically use is proving difficult to say the least. ...Neither the quality nor the timeliness of publication is at a level we consider appropriate for institutional use"*. Unspoken in this message and a follow-up telephone call was the need to maintain their member base without dilution

while making this material available to a wider audience.

In our conversation, Dr Spilhaus indicated that the production problems are under control. A major concern was that of archiving. *"...all articles must be in a character-based digital file format that meets AGU standards for conversion to the long-term electronic archives (e.g.. SGML or easily converted to SGML."* I offered to assist the organization in its testing.

An interesting point made by Dr. Spilhaus related to record copies in the future.

"...nonprintable material that is now supplementary to the print journal will be an integral part of the journal article. Such material includes videos, animations, and manipulable math. Once these format standards have been met, the electronic version will become the journal of record".

Pricing and licensing provisions were still being developed. The intent is to be flexible in the offerings and reasonable in licensing terms. Dr Spilhaus did ask for a reference on terms that libraries would like to see and was also looking for sample licenses.

AGU journal titles, now available in electronic format to members, include the following: Earth Interactions; Eos Electronic Supplement; Geochemistry, Geophysics, Geosystems; Geophysical Research Letters; Global Biogeochemical Cycles; International Journal of Geomagnetism and Aeronomy; JGR - Atmospheres; JGR - Oceans; JGR - Plants; JGR - Solid Earth; JGR - Space Physics; Paleoceanography; Radio Science; Reviews of Geophysics; Tectonics; and Waste Resources Research.

RJK

Think Brest, France for the Fall

ELECTRONIC LIBRARY

AlphaGalileo

<http://www.alphagalileo.org/>

The purpose of this site is to “help communicate the achievements and relevance of European science, engineering and technology to non-specialist audiences via the mass media. It includes press releases, news of events, background briefings from European-based research bodies and new discoveries from commercial firms. You can search the events and press notices sections [BA]

Amazon River

Expedition to Peruvian Andes Confirms the Source of the Amazon

1. Amazon Source Confirmed

http://news.bbc.co.uk/1/hi/english/sci/tech/newsid_1071000/1071838.stm

2. Explorers Pinpoint Source of the Amazon

http://www.ngnews.com/news/2000/12/12142000/amazon_3433.asp

3. South America Physical Map

<http://www.nationalgeographic.com/maps/physmaps/south.html>

4. Topographic Mapping of the Lloqueta River Basin, Peru

<http://www.nasm.edu/ceps/research/peru/lloqueta/poster.html>

5. Amazonia Watch: Monitoring the Earth's Largest River Basin

http://www.nasm.edu/BTS/CEPS/BTS_AMAZONj.html

6. “Amazon River” -- Britannica.com

<http://www.britannica.com/bcom/eb/article/8/0,5716,117568+1,00.html>

7. Amazon Interactive

<http://www.eduweb.com/amazon>

8. Amazonia.net

<http://www.amazonia.net/>

9. Living Waters: Latin American/Caribbean Programme for Freshwater Conservation

http://www.panda.org/livingwaters/initiatives/iprog_latin.html

A US-led, National Geographic Society expedition says it has confirmed the location for the exact source of the Amazon River. The source lies on a 5,597 meter high peak called Nevado Mismi in the Peruvian Andes. The National Geographic team had established Mismi as the river's source in 1971, but in recent years the possibility had been raised that the actual source was at another mountain. Pinpointing the Amazon's source was made possible through use of modern geographic information systems. This week's In the News investigates the geography and conservation issues of the mighty river and its basin.

The first resource (1) is a news report from the BBC. The next site, (2), a more in-depth report from National Geographic, contains color illustrations and sidebar text. Also from the National Geographic Website is (3) a physical map of South America that includes the Amazon River. The fourth resource (4) is an online display of material presented by one of the explorers, A.K. Johnston of the National Air and Space Museum's Center for Earth and Planetary Studies (CEPS), at the 1998 meeting of the American Association of Geographers. It contains color Landsat Thematic Mapper (TM) images of the area and a summary of the search for the source. Another interesting page from CEPS, Amazonia Watch (5), presents a virtual tour of the Amazon and its peoples in the form of a slideshow. The slides are beautiful and the accompanying text informative. An good basic overview of the geography, hydrology, biology, ecology, and human settlers of the Amazon can be found in the online version of *Encyclopaedia Britannica* (6). Amazon Interactive (7), an ecotourism promoter, uses online games and activities to teach users about the geography, rainforest, and inhabitants of the Ecuadorian Amazon (This site was reviewed previously in the November 10, 1999 *Scout Report for Science and Engineering*). The next two sites are mainly conservation oriented. Amazonia.net

(8) gives regular updates on the major Amazonian land use issues involving timber and oil industries, mining, and agriculture. Users will find a wealth of conservation news and meeting announcements, arranged by region, industry type, institution, and peoples here. LivingWaters (9), the World Wildlife Fund's division for conservation of the world's freshwater ecosystems, offers a newsroom, photo galleries, outlines of conservation initiatives, and links to articles. [HCS v 4(9), December 20, 2000]

American Fisheries Society. Physiology Section. Symposia Proceedings.

<http://www.fisheries.org/phs/pubs.htm>

The 1998 Congress, books are available here free of charge to anyone with Internet access. The files are in Adobe Acrobat (.pdf) format and can be downloaded and printed. [KM]

Australian Institute of Marine Science: Research Plan 2000-2003 [.pdf]

<http://www.aims.gov.au/pages/research/trp/2000-03/rp0003-00.html>

The Australian Institute of Marine Science (AIMS) has just posted its triennial research plan, available on the AIMS Website as .pdf documents. The research plan is broken down into five main areas: Predicting Climate Impacts upon Marine Ecosystems, Exploring and Conserving Marine Biodiversity, Sustaining Marine Living Resources, Measuring Human Impacts in Coastal Marine Ecosystems, and Deriving Benefits from Marine Biotechnology. The document may be downloaded as separate chapters, with additional sections providing general overviews and AIMS technical information. [LXP v4(9), December 20, 2000]

Australian Museum Fish Site [Windows Media Player]

<http://www.austmus.gov.au/fishes/>

Recently redesigned, the Australian Museum Fish Site contains a host of resources for researchers, students, and interested visitors. The heart of the site is the Find a Fish section, a collection of hundreds of fact sheets on fish, sorted by common or scientific name. Each fact sheet includes a quick overview, one or more images, and suggestions for further reading. Visitors can also identify fish pictorially using the Identify a Fish section, which links back to the fact sheets. Other offerings include further information on the Museum's fish department, a student section, some short underwater movies, related links, a FAQ, and an internal search engine. [MD v7(24) November 24, 2000]

Australian Sharks

<http://saocean.com.au/shark/index8.htm>

Describes the sharks in the northwest, northeast and southern zones of Australia. Along with excellent drawings and photographs there is a complete classification, description, habitats, and description of the fins and teeth of each species. The "shark facts" section includes a good chart on how to identify to the order level and basic information on how sharks find food, stay afloat, how big they grown and how they used commercially. Clicking on the order will give you a list of the families and species in that order. [BA]

BioLinks: Internet Search Engine Designed by Scientists, for Scientists !!!

<http://www.Biolinks.com/>

Biomes of the World

<http://mbgnet.mobot.org/sets/index.htm>

Produced by the Evergreen Project this site covers marine and freshwater ecosystems with pages on rivers and streams, lakes and ponds, wetlands, shorelines, temperate and tropical oceans. While aimed at elementary school level students it contains lots of basic information. [BA]

BioMOO

<http://bioinfo.weizmann.ac.il/BioMOO/>

BioMOO is a virtual meeting place for biologists. [BA]

Blue Frontier

<http://www.nationalgeographic.com/seas/>

The site chronicles the Sustainable Seas Expeditions, an exploration of the U.S. National Marine Sanctuaries. Describes the five-year project headed by Explorer-in-Residence Sylvia Earle to investigate, conduct research in, and promote the 12 U.S. National Marine Sanctuaries, which range in size from a tiny bay in far-off American Samoa to a 5,328-square-mile (13,800 - square - kilometer) expanse of ocean off the California coast. Expeditions completed in 2000 were Monterey Bay, Florida Keys, Channel Islands, and West Florida Shelf. Describes the expedition, equipment and gives links (under classroom ideas) to sites about each of the areas. [BA]

Boreal Ecology

<http://www.biology.ualberta.ca/courses.hp/bio366/>

Dr. Vincent St.Louis of the University of Alberta, Edmonton (Canada) offers this interesting course on Boreal Ecology. Ranging from Postglacial landscapes/ environments in Boreal Ecosystems, to Animals of the Boreal Forest, to Energy Flow in Boreal Lakes, the course addresses ecological topics across temporal, spatial, and topical scales. The heart of the website is contained in the Course Outline & Lecture Notes, where online lecture notes discuss material in various details and provide links to additional resources. A further section on Links to Interesting Web Sites contains a dozen annotations, pointing to Websites with general information on the Boreal ecoregion with emphasis on Canada. [LXP v.4(6), November 8, 2000]

Bryzoan Species and Their Locations, off the Coast of Argentina: Appendices 1,2. *Diversity and Distributions* 2000, 6 15-27.

<http://www.blackwellscience.com/products/journals/suppmat/ddi/ddi067/ddi067sm.htm>

These supplementary data from a recently published article in the journal *Diversity and Distributions* [Lopez, Gappa, 2000, 6:15-27] describe information on bryzoan species found off the coast of Argentina. Appendix 1 lists "Latitude, longitude, depth, and number of bryozoan species in benthic stations or localities along the coast, continental shelf and slope off Argentina," and Appendix 2 lists "bryozoan species, squares where they were found, and bibliographic references providing precise geographical locations for the study area." [LXP v 4(12), February 14, 2001]

CNAV -- Coral Navigation

<http://www.aims.gov.au/c-nav>

C-NAV is a CD-ROM that focuses on identifying coral reef organisms using simple descriptive categories. The identification categories described are those recommended by Reef Check and the Global Coral Reef Monitoring Network (GCRMN). C-NAV provides reference images and clear definitions for lifeforms to help ensure that identifications are consistent using these global standards. C-NAV features short documentary movies, a large searchable image database and glossary. The interactive material allows users to explore reef a variety of reef habitats. CNAV is designed for two main areas of application: 1) For teachers, trainers or those working in coral reef habitats to use as a teaching tool or for their own reference material; 2) For students involved in field based coral ecology or reef monitoring courses where the ability to preview and review the benthic animals and plants that form coral reef habitats will enhance their learning experience. [MT]

Careers in Marine Biology

<http://www.uncwil.edu/stuaff/career/Majors/marine%20bio.htm>

This site from University of North Carolina at Wilmington gives links to job listings, Career planning & information, organizations and associations, and miscellaneous resources. There are also lists of related career titles and related major skills. [BA]

The Charms of Duckweed

<http://www.mobot.org/jwcross/duckweed/>

The Missouri Botanical Garden (MBO) hosts this site on duckweeds, the world's smallest flowering plants. Sections include Botanical Facts (anatomy through population growth), Duckweed Illustrations (numerous color images of duckweed), Experiments & Projects (check out the several interesting laboratory experiments), and Practical Duckweed (using duckweed to clean polluted water via bioremediation). Written by Dr. John Cross, The Charms of Duckweed site offers introductory thorough in-depth information on this interesting family of plants. [LXP v.4(8), December 6, 2000]

Climate Diagnostics Center (CDC)

<http://www.cdc.noaa.gov/>

A collaborative project of CIRES (Cooperative Institute for Research in Environmental Sciences) and NOAA (the National Oceanic & Atmospheric Administration), the Climate Diagnostics Center (CDC) strives "to identify the nature and causes of climate variations, on time scales ranging from a month to centuries" so as to predict future climate. The homepage offers a host of online information, from a broad overview of climate diagnostics, to research summaries on interseasonal / interannual climate variability or Hydrologic Cycle Studies, to a What's New? section giving the latest research results and current job opportunities. For researchers and students alike, this Webpage will be a useful information hub. [LXP v.4(8), December 6, 2000]

The Coriolis Data Center

<http://www.ifremer.fr/coriolis/cdc/>

CORIOLIS was begun by French scientists in 1997 in order to combine satellite and *in situ* data from the global oceans, particularly the Atlantic. The CORIOLIS Website provides links to data from the project's floats. The data come from T-S profiles and time series from profiling floats, XBT's, thermo-salinographs, drifting, and moored buoys. Regularly updated Provor maps and charts are arranged by date, locality, and profile float number. Numerical data on sea surface temperature, temperature maps, and a float locality map with zoom-in capability are among the wealth of sea temperature data available here. Users will also find links to a list of the oceanographic vessels involved and the CORIOLOS project's homepage. [HCS v.4(9), December 20, 2000]

Diving Under Antarctic Ice

<http://scilib.ucsd.edu/sio/nsf/>

Peter Brueggeman's site documents the National Science Foundation Office of Polar Programs sponsored underwater photography team dive out of the US Antarctic Program's base at McMurdo Station, on Ross Island in Antarctica. It includes a thematic photo gallery, the Underwater Field Guide to Ross Island & McMurdo Sound, what it's like to dive under the ice, and the journals of Peter Brueggeman and Dr M. Dale Stokes. Don't forget to look for IAMSLIC's own Peter, who was one of the divers in the pictures. [BA]

Eastern Waterfall Guide -

<http://www.aria-database.com/waterfall/>

This searchable site contains information on more than 175 waterfalls in 20 U.S. states. The name, location, height, river and rating (power, beauty, and ease of access) is given for each. The page on waterfall classification is particularly useful. In the Falls of the Month section I did

find the three sections on the waterfalls of Rocky Mountain National Park in Colorado. So perhaps in the future this will expand in scope. [BA]

Ecological Anthropology [Stella, RealPlayer]

<http://www.ic.arizona.edu/~lansing/home.htm>

Professor Steve Lansing of the Department of Anthropology at the University of Arizona (Tucson) offers several free computer applications (two simulation models and one GIS) for use in ecological anthropology. The MacroScope program performs "simple analyses of geographic data, such as agricultural, social, and ecological information," to assist agricultural extension workers in management decisions. The Bali Model (Mac only) explores "the relationship between Balinese water temple networks and rice terrace ecology" via a simulation model. The Skokomish model (Mac only; uses Stella) simulates economic and ecological effects of alternative management scenarios for the Skokomish River. All applications are accompanied by additional files, including detailed instructions, published articles (in some cases), and audio or video clips (RealPlayer). [LXP v.4(6), November 8, 2000]

The Echinoids

<http://www.nhm.ac.uk/palaeontology/echinoids/>

The Natural History Museum of London (UK) provides this magnificent Website on sea urchins. Well-written and beautifully designed, the primary purpose of the site is "to provide a taxonomic resource for the scientific community in which the genera and higher taxa of echinoid can be simply and rapidly identified." Spectacular color images form the basis of the identification keys, highlighting the important distinguishing characteristics of each Family or Genus of sea urchin. In addition, an introduction and morphology section provide beginning users with useful background information, and an Index to taxa offers detailed information for a

subset of taxa. For scientists or anyone else interested in learning more about these beautiful marine invertebrates, this site is an excellent window into their taxonomy. [LXP v.4(9), December 20, 2000]

Environmental Fate Data Base

<http://esc.syrres.com/efdb.htm>

The Environmental Fate Data Base is provided by Syracuse Research Corporation, an independent, not-for-profit firm that conducts "scholarly research in environmental chemistry, toxicology, and risk assessment." The Environmental Fate Data Base is a compilation of searchable databases featuring environmental fate data, exposure data, microbial toxicity data, and biodegradation data. Five main resources form the heart of the site: DATALOG (a bibliographic file indexed by Chemical Abstract Service that contains records for over 16,400 chemicals), BIOLOG (Microbial Degradation/ Toxicity File with detailed information), CHEMFATE (physical/ chemical property information on commercially important chemical compounds), BIODEG (properties of biodegradable substances), and BIODEG Summary (evaluates different chemical tests, including biodegradability, under aerobic and anaerobic conditions). Databases are searchable by chemical formula, name, CAS#, or parameter type. [LXP v.4(9), December 20, 2000]

First-search

<http://first-search.com>

Logika Corporation announced first-search.com which is a "comprehensive index of over 4.5 million Web sites. There is a general search which allows you to search for word in any order or in the exact order and to limit part of the document to be search including the entire web page, the body and/or title, the title and/or the description. The Vertical Search allows you to select from topic-specific subjects, including reference, science and news. "The engines

combine categorization techniques of a directory, with the comprehensiveness of a search engine," to deliver the results. The science portal includes (those with * are not yet operational): Agriculture, * Anomalies and Alternative Science, Astronomy, Biology, Chemistry, * Conferences, * Directories, Earth Sciences, Environment, * Institutions, * Instruments and Supplies, Math, * Methods and Techniques, * News, Physics, Publications, * Reference, * Science in Society, * Software, and * Technology. [BA]

Fish: Australia Museum Fish Site

<http://www.austmus.gov.au/fishes/>

Sections include 1) Fish Department which is about the collections, fieldwork, research, staff and a database of the type holdings of the Australian Museum; 2) Student stuff which contains examples of adaptations, a virtual fish dissection, information on scales, and a behind the scenes look at the fish collection; 3) What's new; 4) Fish movies with beautiful underwater footage of Australian fishes including sharks and rays.; 5) Find a fish which can be searched by species or common name to find a factsheet with a discussion of the fish, pictures and further reading; 6) Fish links from selected sites worldwide; 7) Identify a fish. An identification key which uses simple line drawings and choices starting with number of gills to help you identify a fish to family; and 8) FAQs which has a few questions about fish and the collection. [BA]

FishBase

<http://www.fishbase.org>

FishBase is a biological database, being developed by International Center For Living Aquatic Resources Management (ICLARM), on all the world's fishes. It includes 25,155 Species, 70,000 Synonyms, 100,000 Common names, 25,000 Pictures, 20,000 References, 500 Collaborators and 55 subject tables. The

search page is particularly helpful. You can search by common or scientific name, by family, by country, biodiversity map, or reference by author, title and year. There is also an alphabetical list of names which will be very helpful when one isn't sure of the spelling. The information by topic section is particularly useful in finding statistics and basic information on topics such as aquaculture species profiles, fish species protected under CITES, and trophic analysis of ecosystems. Key Facts allows you to use the existing data or enter your own parameters to compute various vital statistics, such as weight from length, growth parameters for maximum age, etc. Take some time to wander through the "best photos of the month". The photos are wonderful. There is an draft of an ichthyology course using the FishBase information system. The information on how to cite items found in Fish Base will be greatly appreciated by librarians. An updated CD-ROM version (FishBase 2000) with accompanying book will be produced in the first quarter of 2001. Contact information for the various contributors, project tram, and collaborators are on the Web Site. [BA]

FISHCODE Project

<http://www.fao.org/fi/projects/fishcode/index.htm>

The FISHCODE Project Assistance to Developing Countries for the Implementation of the Code of Conduct for Responsible Fisheries in: Fisheries Monitoring Control and Surveillance and in Improving the Provision of Scientific Advice for Fisheries Management has just released its new Home page [FAO]

Fish News

<http://www.nmfs.noaa.gov/fishnews.htm>

Fish News is NOAA Fisheries' automated e-mail system developed in response to commercial and recreational fishermen and other constituents who have asked to be promptly notified

about NOAA Fisheries' activities. The system is designed to provide notification of NOAA Fisheries Federal Register actions, news releases, publications and upcoming events of interest to constituents. Fish News is currently sent out on Tuesdays and Thursdays, but is a work in progress whose format will probably change with time, technology and demand [DL]

Fishery Market News

http://www.st.nmfs.gov/st1/market_news/

Curious about the economics behind fishing or how fish prices have changed since the 1930s? The National Marine Fisheries Service (NMFS) offers this Website to track the pulse of the fish market, by observing, recording, and reporting current market conditions. In addition to the daily/ weekly pricing reports from markets in Boston, Long Beach, New Orleans, New York, and Seattle, the Fishery Market News Website posts annual summaries of fish prices for several specific fisheries (cod, foreign fisheries), seafood types (clam, cod, crab, croaker, flounder, lobster, pollock, squid, swordfish, or whiting), and fish markets (Fulton Fish Market and New York Frozen). A no-frills site with "just the facts, please," this is an excellent resource for researchers. [LXP v4(7) November 22, 2000]

Flooding on the Po River, Italy, as imaged by RADARSAT

<http://www.ccrs.nrcan.gc.ca/ccrs/tekrd/rd/apps/hydro/italy/italye.html>

The Canada Centre for Remote Sensing has released this imagery of October flooding of the Po River in northwestern Italy. The RADARSAT Fine 1 Far image is in color .jpeg format. [HCS v.46(6), November 8, 2000]

Galapagos Islands

Oil Spill Threatens Galapagos Islands

Galapagos Oil Spill -- Charles Darwin Research

Center [QuickTime]

<http://www.darwinfoundation.org/>

Oil Spill Off Galapagos Islands -- USCG

<http://www.uscg.mil/news/Galapagos/Galapagos.htm>

National Strike Force -- Active Incidents

<http://www.uscg.mil/hq/nsfcc/nsfweb/nsfcc/ops/piat/active/activeresp.html>

"A Preliminary Overview of the Impacts on the Ecosystem" -- Charles Darwin Foundation

<http://www.galapagos.org/whatsnew/ecosystem.html>

"Galapagos Oil spill threatens rare species" -- WWF

<http://www.panda.org/crisis/galapagos/>

"Tanker review after Galapagos spill" -- BBC [RealPlayer]

http://news.bbc.co.uk/hi/english/world/americas/newsid_1137000/1137884.stm

"Tanker captain, crewmen arrested in Galapagos fuel spill" -- CNN

<http://www.cnn.com/2001/NATURE/01/25/galapagos.spill/index.html>

On January 16, the aging Ecuadorean tanker "Jessica" ran aground on San Cristobal Island, threatening the delicate ecosystem of the Galapagos Islands, famous as the location for much of Charles Darwin's key research. The Galapagos, 97 percent of which is a national park, is perhaps the last complete and preserved island archipelago. The captain of the ship has since accepted responsibility for misjudging his entry into the bay and running the ship aground, spilling approximately 160,000 gallons of oil. Efforts continue to refloat the ship and remove the 10,000 gallons left inside. Fortunately, favorable winds and currents have limited the amount of oil washing up on the Galapagos Islands, but the long-term effects remain to be seen.

Readers can find out the latest on the clean-up effort and damage evaluation at the Charles Darwin Research Center, which also features technical and video reports. The US Coast Guard (USCG) has been assisting Ecuador in

the clean-up efforts, and information on its activities, including press releases and photos, can be found at both the main USCG site and the USCG National Strike Force site. The Charles Darwin Foundation and the World Wildlife Fund offer additional preliminary assessments of the spill. Media reports are also available from the BBC and CNN. [MD v 7(31) January 26, 2001]

What Next, Galapagos?

http://science.nasa.gov/headlines/y2001/ast07feb_1.htm?list148025

Discusses the plans to assess the long-term repercussions to the islands' unique ecosystem. Discusses the techniques that will be used including the SeaWiFS system a wide array of ground- and satellite-based tools. Contains links to the plans of the Charles Darwin Research Station to continue monitoring the site and clean-up efforts. [BA]

Global Invasive Species Database -- ISSG

<http://www.issg.org/database/welcome/>

The newly online (but still under construction) Global Invasive Species Database was developed by the Invasive Species Specialist Group (ISSG), an international group of 100+ scientific and policy experts with the Species Survival Commission (SSC) of the International Union for the Conservation of Nature (IUCN). The entry page of the Website offers background information on invasive species and instructions on how to use the database. A section entitled 100 of the worst (ranging from Rat to Purple Loosestrife) gives viewers an idea of the type of information that will be included in the database, both in terms of expected detail and organizational structure of the database. Types of information provided for each species include Ecology, Distribution, Habitat Matches, References, and Contacts. In addition, a Predictive feature allows viewers to predict the expansion of invasive species, and the Early Warning

System matches habitats that the species has already invaded with "other similar habitats around the world." Although still under construction, this database should be a powerful tool for researchers and educators, once completed. [LXP v4(7) November 22, 2000]

Global Lake and River Ice Phenology Database [.gzip]

<http://nsidc.org/NSIDC/CATALOG/ENTRIES/G01377.html>

The Global Lake and River Ice Phenology Database contains freeze and breakup dates and other ice cover descriptive data for 748 lakes and rivers distributed throughout the Northern Hemisphere. The data set was compiled by the North Temperate Lakes Long-Term Ecological Research program at the University of Wisconsin-Madison from data submitted by participants in the Lake Ice Analysis Group (LIAG). The database is searchable by country, map coordinates, lake or river name, and year of record. Output can be viewed in HTML or downloaded as a gzip or ASCII file. [HCS v. 4(12), February 14, 2001]

Great Barrier Reef Marine Park Authority Online.

<http://www.gbrmpa.gov.au/>

This site is the gateway for information on all aspects of the Great Barrier Reef Marine Park and World Heritage Area. The two main sections are 1) The Park including information resources (publications and the library); key issues such as the ship grounding on Sudbury Reef; and marine park management including indigenous issues and the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area; and 2) Reef HQ, the Great Barrier Reef Aquarium site, which is the largest living coral reef aquarium in the world, and its education and research programs. [BA]

Groundwater Foundation

<http://www.groundwater.org/>

Dedicated to educating the public about the importance of groundwater this site includes basic information on groundwater, details of the Groundwater Guardian project that encourages awareness in communities, youth programs, free things, a list of their books and publications. There is a workshop guide for "An Introduction to Drinking Water Source Assessment and Protection" The workshops was designed to provide " the knowledge and basic tools for community representatives to recognize and take advantage of the opportunities for public involvement and drinking water protection presented under the Source Water Assessment provisions of the 1996 Safe Drinking Water Act Amendments." There are presenter's and participant's versions, overheads, and masters for handouts. [BA]

Impact Factor: Journals Ranked by Impact: Marine & Freshwater Biology

<http://www.isinet.com/isi/hot/research/19991011/b>

Gives 1981-98 and 1994-98 ISI's *Journal Performance Indicators on Diskette*, and 1998 impact factors from *Journal Citation Reports*. [EU, BA].

The Index to Marine Geological Samples

<http://www.ngdc.noaa.gov/mgg/curator/curator.html>

"The Index to Marine Geological Samples Database", also known as the Curators' Database, is a cooperative effort between nineteen oceanographic institutions and government agencies that maintain marine sample repositories to provide information on the contents of their collections to help researchers locate marine sediment and rock material for further analysis," states the homepage of this site provided by the National Oceanographic and Atmospheric Administration's (NOAA's) Na-

tional Geophysical Data Center (reviewed in the January 17, 1997 *Scout Report for Science & Engineering*). Visitors to the site can access the search engine to look for specific samples in the database. Basic search fields include map coordinates, repository name, ship's name, date, water depth, and sampling device. Extended search fields such as sediment type and geologic age are also available. Pages giving contact information for participating institutions, recent updates, and data parameters are provided. The Curators' Database should be useful to graduate students and professionals putting together a project and looking for sample availability. [HCS v 4(10) January 17, 2001]

Institute for Ecological Tourism

<http://www.humboldt.edu/~ecotour/>

Gives definition and principles of ecotourism, eight characteristics, a guide to the ecosystems of the northern coast of California with season and location when significant species can be viewed, and a guided tour of ecotourism and sustainable development in Guatemala. There is a short biography of Alexander von Humboldt. [BA]

Integrated Library Systems Discussion List

ils-subscribe@topica.com

The purpose of the list is to share information about library automation and to increase communication amongst the vendors and consumers so that a better measure of what we want is available. It is also to serve to aid in making smart purchases and serves to share information concerning how to deal with the various vendors and consultants in this field. Hopefully we will also discuss future advances and standards. The list is meant to be open to all. To subscribe please send a blank email. [BA]

International Association for Great Lakes Research

<http://www.iaglr.org/index.htm>

The International Association for Great Lakes Research is comprised of researchers studying the Laurentian Great Lakes and other large lakes of the world. The homepage serves as a centralized resource for Great Lakes research, featuring recent findings, news and announcements (from recently published books to legislation outcomes), upcoming conferences, and current job offerings. In addition, a discussion board invites communication among interested researchers and the public. [LXP v.4(8), 2000]

International Association of Hydrogeologists

<http://www.iah.org/>

The International Association of Hydrogeologists (IAH) is "a scientific and educational organisation which exists to promote the study and knowledge of hydrogeological science and its application for the common good throughout the world." IAH is an affiliate of the International Union of Geological Sciences (IUGS), and their homepage is geared toward scientists and engineers in the field of water resources. Online access to the IAH newsletter, conference schedule and links, and a comprehensive bibliography of all IAH publications are included at the site. The Publications page contains links to free online articles and abstracts. IAH puts out *Hydrogeology Journal* and *International Contributions to Hydrogeology*; in addition, IAH publishes *Hydrogeology: Selected Papers* and *IAH Congress Memoirs*. IAH's site also features a search engine, addresses of IAH affiliates, and links to other hydrogeological organizations, universities, companies, and sites containing data, maps, and software. [HCS v.4(5), October 25, 2000]

Know Your Environment

<http://www.acnatsci.org/erd/ea/index.html>

The Academy of Natural Sciences (at Philadelphia) and Environmental Associates (a group of leading industries) have combined forces to provide this informative Website, offering excellent articles that describe the science behind some of today's leading environmental issues. The articles provide in-depth, scientific explanations of many issues that appear in the popular media. The Academy's commitment to improving public understanding of important issues has led them to encourage "reproduction and redistribution of any text within a Know Your Environment article." For educators, researchers, and students, this site hopes to fill in some important knowledge gaps. November 2000 issue is On the Trail of the Missing Amphibians. [LXP v. 4(8) December 6, 2000]

Librarian's in the News

According to a recent CNN article, we're in secure jobs and our numbers are growing!

<http://www.cnn.com/2000/CAREER/trends/11/28/librarians/index.html> [EU]

"Demand Explodes for Librarians with High-Tech Research Skills" an article from the Wall Street Journal's Career Journal

<http://www.careerjournal.com/salaries/industries/librarians/19980825-rurak.html> [RG]

Two more from the Wall Street Journal: Librarians Are Finding Endless Opportunities February 14, 2001.

<http://www.careerjournal.com/salaries/industries/librarians/20001206-gates.html>

and Demand for Librarians Hits an All-Time High <http://www.careerjournal.com/salaries/industries/librarians/19990928-francois.html> [PM]

Life Science Dictionary

<http://biotech.icmb.utexas.edu/search/dict-search.html>

Produced by the University of Texas BioTech project, this dictionary "contains over "8300 terms which deal with biochemistry, biotechnol-

ogy, botany, cell biology, and genetics.” Also included are terms relating to ecology, limnology, and toxicology. For the most part organisms are not included unless they are “medically- and biotechnologically” relevant, though I didn’t find *limulus* or *liligo* there. [BA]

The Malacological Society of Australasia

<http://www.austmus.gov.au/science/division/invert/mal/malsoc/index.htm>

The Malacological Society of Australasia (MSA) is dedicated to the study and conservation of marine, freshwater, and terrestrial mollusks. The MSA assists in the coordination of molluscan research and conservation efforts throughout Australasia (Australia, New Zealand, and nearby countries in Asia and the Pacific) and produces a newsletter and research journal (*Molluscan Research*) to facilitate communication and to share research findings. In addition, MSA holds periodic conferences to bring together experts and amateurs with an interest in malacology. The MSA homepage provides descriptions of the Society, with links to publications and MSA events. [LXP v 4(9), December 20, 2000]

Mangroves

Florida Plants Online: Mangrove

<http://www.floridaplants.com/mangrove.htm>

Field Guide to the Mangroves of Queensland

<http://www.aims.gov.au/pages/reflib/fg-mangroves/pages/fgm-qld-18.html>

Florida Plants Online provides the first of these two resources on mangroves, featuring brief annotations and links to dozens of mangrove-related pages. Although the pages described at Florida Plants Online vary in depth and quality, many are worthwhile. The second resource, from the Australian Institute of Marine Science, is an online field guide to the mangroves of Queensland, Australia. The online guide features several dozen species accounts

offering distinguishing characteristics, color photographs, and contextual information (e.g., habitat type, flowering and fruiting phenology). [LXP v.4(6), November 8, 2000]

MareNet the worldwide Network of Marine Research Institutions and Documents.

<http://marenet.uni-oldenburg.de/MareNet/> or much easier at <http://www.marenet.de>

MareNet provides a set of online information services which enable marine scientists to keep in touch with the worldwide marine science community and to receive all specific information she or he may need. The site includes 1) MareInst - Marine Research Institutions - links to the servers of more than 400 institutions and departments of universities related to Marine and Earth Science, arranged by continent, country and town. 2) MareDoc - Marine Research Documents - links to document sources of worldwide distributed Marine Research Institutions, are for example preprints, research reports, annual reports, lecture notes, and list of publications of local research groups and individual scientists. 3) Marine and Earth Science Data services give access to worldwide distributed oceanographic data collections by listing links to Databases, -Centres, Programs and Initiatives. Utilities for calculating, graphing and mapping oceanographic data are given as well. These services are complemented with a HARVEST-based search engine. In addition MareNet offers lists of online available Marine and Earth Science Journals, links to various related Jobs and Conferences sites, and a link collection to other sources of Marine Science and further disciplines on the Web. [JW]

Marine Stocks at Risk of Extinction, American Fisheries Society

<http://www.fisheries.org/publications/epubs/mstocks/mstocks.shtml>

Lists the 82 species or populations vulnerable, threatened, or endangered in North American

waters. Includes the criteria used to define extinction risk in marine fishes, press releases related to the project, and the American Fisheries Society Policy statements on marine stocks at risk of extinction. The 264 page book *Life in the Slow Lane* is available in pdf format. [PB, BA]

Marine Stocks at Risk of Extinction -- AFS

<http://www.fisheries.org/publications/epubs/mstocks/mstocks.shtml>

"Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids)" [pdf]

<http://www.fisheries.org/fisheries/archive/FISHNov06-30.pdf>

The American Fisheries Society (AFS)'s recently concluded three-year Marine Stocks at Risk Project has posted a collection of articles, policy statements, and symposia proceedings on marine stocks at risk. The documents include "the first-ever list of marine fish stocks and species at risk of extinction" (MSRE), of which 82 species or populations are vulnerable, threatened, or endangered in North American waters. The list (excluding Pacific Salmonids) was first published in November 2000 in the journal *Fisheries* [Vol 25(11): 1-25] and may be downloaded in that format as a .pdf document. Links to additional resources are given in the summary note. [LXP v4(11) January 31, 2001]

Maritime History on the Internet: A Guide to Doing Maritime History Research Online

<http://ils.unc.edu/maritime/home.shtml>

Gives tips on researching a ship or a person. Contains a "Webliography" of maritime history resources on the Internet and maritime-related sites on the Internet. Also gives links to museums, libraries, books and magazines, music and art, maritime education, nautical archeology. [BA]

Multilingual Glossary of Library Terms

<http://www.libraries.rutgers.edu/is/publications/glossary/index.html>

This brief glossary contains translation of common library and computer terms - 47 in all - into Chinese, Japanese, Korean, French and Spanish. (From Library Juice 3:39) Also see Glossary of bibliographic information by language at <http://www.mun.ca/library/cat/lang/biblang.htm> [BA]

NASA's Learning Technologies Project -- Digital Libraries

<http://learn.arc.nasa.gov/education/topics/digital.shtml>

Lists digital libraries and funded by this project including the Electronic Environmental Library Project and Scalable Agent-based Information Retrieval Engine (SAIRE). Good descriptions of the projects. [BA]

National Biological Information Infrastructure

<http://www.nbii.gov/>

The fisheries page contains links on: 1) fisheries research (databases, metadata, and GIS, publications and programs); 2) fisheries management (databases, metadata, and GIS, publications and management issues); 3) species information (currently included are salmon, bass, trout, shad, and sturgeon); 4) ecosystem approaches (Chesapeake Bay and Great Lakes currently); 5) watershed health (U.S., U.S. states, non-profit / non-government initiatives and management issues); and 6) sport fishing. Information included in this collection is maintained by federal, state, and local government agencies; non-profit groups; and private sector organizations. Links to biological organizations around the globe are given. There is a place marker for a reptiles and

amphibians page. You can search the NBII Metadata Clearinghouse for biological datasets. There were 98 hits on "fisheries" [BA]

National Estuarine Research Reserve System (NERR)

<http://www.ocrm.nos.noaa.gov/nerr/>

NERR Centralized Data Management Office

<http://inlet.geol.sc.edu/cdmohome.html>

Established in 1972 through the Coastal Zone Management Act (CZMA), the National Estuarine Research Reserve System (NERR) is a network of protected areas representing different types of estuaries and biogeographic regions. Operated by coastal states with input from local communities and regional groups, NERR studies address coastal watershed management issues. The homepage provides an overview of the NERR System with links to specific information on (most) reserves, detailed case studies on six focal reserves, publications and research resources, educational materials, and links to related resources. For reserve data and data on water quality (and associated metadata), see the NERR Centralized Data Management homepage. [LXP v.4(5), October 25, 2000]

National Reconnaissance of Emerging Contaminants in the Nation's Waters -- USGS

<http://toxics.usgs.gov/regional/emc.html>

The Toxic Substances Hydrology (Toxics) Program of the US Geological Survey has implemented a national reconnaissance effort "to provide baseline information on the potential environmental occurrence of select 'emerging contaminants' (such as human and veterinary pharmaceuticals, industrial and household wastewater products, and sex and steroidal hormones) in streams." The Website includes an overview of the program, a map (and table) of the stream sampling sites used in the Emerging Contaminants Reconnaissance, and a list of

target compounds. Also on site are select highlights of the program, a description of research projects, fact sheets and proceedings, and a hyperlinked bibliography. Of importance to both aquatic ecologists and toxicologists, this resource should serve as a useful reference. [LXP v4(7) November 22, 2000]

National Survey of Mercury Concentrations in Fish, 1990-1995 [zip, dBASE, Access]

<http://www.epa.gov/ost/fish/mercurydata.html>

The Environmental Protection Agency (EPA) has assembled a nationwide database on total mercury concentrations in fish tissue. This Website hosts the database, spanning the years 1990-1995, as well as a national report describing the data and database field descriptors. The database may be downloaded as a zipped file in both dBASE (1.7M) and Access (1.4M). [LXP v. 4(6), November 8, 2000]

National Wetlands Biogeochemical Database (NWBD)

<http://wetlands.ifas.ufl.edu/nwbd.htm>

The National Wetland Biogeochemical Database (NWBD) is "an effort to locate, collect and compile existing biogeochemical information on wetlands of the United States including Hawaii and Alaska." Funded in part by the Environmental Protection Agency (EPA), the database will be used to develop a Nutrient Criteria Technical Guidance Manual for US Wetlands -- for use in assessing potential nutrient-related trophic state impairment and pollution problems. Presently focused on water column and soil biogeochemical parameters (e.g., N, P, C, Metals, temp., DO, pH, etc.), the completed NWBD will act as a reference data set for biogeochemical parameters at different regional, community, and temporal scales. Data contributors are invited to participate using NWBD's on-site contact information. [LXP v.4(11), January 31, 2000]

Ocean Planet - Flyby

http://seawifs.gsfc.nasa.gov/OCEAN_PLANET/HTML/oceanography_flyby.html

A two-minute animated tour under the Pacific Ocean, based on real data about the sea floor's peaks and valleys. Approach earth and submerge near Hawaii, swim with the dolphins, and finally dive to the ocean's deepest point, between Japan and New Guinea. Created by NASA. [BA]

Oceangography Information Skills Lesson

http://www.bellaonline.com/career/professions/library_sciences/articles/art975352155503.htm

A lesson plan to teach information skills to 2-4 graders, could be adapted to other grades. Each group is assigned to a sea creature and after instruction from the librarian finds out as much as they can about the starfish, shark, octopus, whale or other sea creature. They then share what they found with the class. Includes good tips on note taking. [BA]

Periodicals.net

<http://www.periodicals.net/>

Produced by Library Technology Alliance, Ltd., Periodicals.net indexes 97,000 publications whose content is available through online vendors or that are published online. The search page allows keyword queries by title, subject, or ISSN, and users can further specify coverage type (full, abstract, index) and vendor. Initial returns include titles and ISSN. Full entries list vendors that offer content from the periodical, dates of coverage, and a link to their homepage. Users who would like to access content from these vendors must, of course, belong to an institution with a subscription or subscribe themselves. The site also offers a Search E-Journals interface, which indexes many available freeresources available online. Search returns in

this category link to the publications's homepages. A free 30-day trial is available. [MD]

Polynesian Voyaging Society

<http://www.kcc.hawaii.edu/org/pvs/>

The society was founded in 1973 to research how Polynesian seafarers discovered and settled nearly every inhabitable island in the Pacific Ocean before European explorers arrived in the 16th century. Since 1975, PVS has built and launched two replicas of ancient canoes – Hokule'a and Hawai'iloa – and completed six voyages to the South Pacific to retrace migration routes and recover traditional canoe-building and way finding (non-instrument navigation) arts. You can trace the voyages, see how the canoes were built, learn about life on a canoe and the Polynesian migrations. [BA]

La prédiction de la marée

http://www.shom.fr/ann_marees

Site is in French but since it is primarily numeric it is easy to use. Can be searched by harbour name and geographic site, including many North American ones. There are 116 sites for zone 2 (Northeastern and Central Americas and Western Groenland). One can specify dates, hours, and timespan for every type of data. For every selected site, the data include: Hauteur d'eau à une heure donnée (water level to a specific hour); Annuaire des marées (hauteur d'eau) (Tide table with the water level); Heures pour une hauteur d'eau (Hours for a specific water level); Marégramme ("tidegram??") a graph for water level vs time); La hauteur d'eau heure par heure (water level for every hour (even for every 5 minutes, actually)) [JB]

Reef Monitoring <http://www.aims.gov.au/reef-monitoring>

Crown of Thorns starfish and monitoring data check our web site. [MT]

Regional Alliance for Preservation

<http://www.rap-arcc.org/>

The Alliance is a national network of preservation and conservation organizations dedicated to saving materials in cultural institutions. It's a great place for information, with a newsletter archived to 1997 and a Starter Kit for Collections Managers - a directory of sites with information on emergency preparedness and specific materials (e.g., books, ceramics, silver, paintings, paper, photographs, textiles, digital images). Some documents require Adobe Acrobat Reader. - II [AC]

Salmon

<http://www.bbc.co.uk/nature/earth/salmon/>

Investigates the issues raised by a BBC 2 program aired 7 January 2001 on the current state of the salmon farming industry. Discusses concerns about eating salmon. The program was part of the *Warnings from the Wild* series which has looked at coral bleaching in the Maldives, sea life changes in California, and Penguins on the move in Antarctica. [BA]

Satellite Research Group -- NOAA

<http://www1.etl.noaa.gov/climsat/>

NOAA's Ocean Remote Sensing Division runs the Satellite Research Group, which uses data from environmental satellites to study seasonal and interannual climate variability. Research areas include air-sea interaction (and transfers of heat, momentum, and water); the global hydrological cycle (including water vapor and precipitation); the Earth's radiation budget; and real-time monitoring of the El Nino/La Nina oscillation. Each research area is described in detail at the Website, and links connect users to the latest real-time geostationary satellite data images, as well as to the absolutely spectacular climate image archives. For researchers interested in regional or global scale climate

patterns or the use of satellite technology for research purposes, this is an excellent resource. [LXP v 4(10) January 17, 2001]

The Scientific Web

<http://www.scientificweb.com/sciencee.html>

Scientific Web, a metasite posted by German computer scientist Stefan Steinhaus, is an excellent resource for people interested in learning about software available for a variety of scientific disciplines. Biology, chemistry, math, and statistics are among the disciplines for which software descriptions and links are available. The site is in table format: under each discipline heading is a hyperlinked list of software packages. Click on the software package name, and you are taken to a page displaying the product maker, system requirements, data and graphics format, and a one- or two-paragraph description of the software's capabilities. Scientific Web also provides links to pages with software demo versions, product announcements, lists and usergroups, test reports, and more. Scientific Web is available in its original German language format or in English (the imperfect English does not detract from the site's utility). [HCS v 4(8), December 6, 2000]

Scirus

<http://www.scirus.com/>

Elsevier is developing an Internet search tool developed specifically for finding scientific information. The full site is scheduled to launch in March 2001. The Beta version is available now.

There's standard and advanced search form. The advanced search allows simple (guided) and advance (free text) Boolean searching, and limiting by date range, content type (full text article or home page) and subject area. Results can be divided into all the results (the default), free access, and restricted access using the tabs at the top of the results page. The restricted materials at this point are Elsevier titles. You can

save your results. A list of keywords that can be used to narrow your search is generated from the hits and displayed at the bottom of the results page. The results display default is 10 per page but can be increase to 25, 50 or 100. . [BA]

Sciseek: Science Online

<http://www.sciseek.com/>

Another of the specialized search engines, you can search by key word or use the subject directory. The results page is sorted by relevancy, has a "more like this" feature and lets you rate the sites. In the directory oceanography is found under Earth Sciences and water resources under Environment. Fish and marine life can be found under Animals. [BA]

Scripps Institution of Oceanography Ferromanganese Nodule Analysis File

<http://www.ngdc.noaa.gov/mgg/geology/sionar.html>

Scripps Institution of Oceanography's database of geochemistry of marine ferromanganese nodules from the Pacific Ocean (completed in 1981 as part of the International Decade of Ocean Exploration) is newly available online. Data presented include the source, latitude/longitude, sampling device, water depth, nodule type, and weight percentages of selected elements as well as core sediment descriptions and fossil percentages. All data are in HTML format. [HCS v. 4(12), February 14, 2001]

Sea Turtle Migration-Tracking Education Program

<http://www.cccturtle.org/sat1.htm>

Part of the site of the Caribbean Conservation Corporation / Sea Turtle Survival League this page describes how sea turtle tracking works. Describes and lists current and past sea turtle tracking projects. You can see a map of the movements of each individual sea turtle in the

projects. You can post questions to the discussion board and have them answered by scientists. A linked page, "Information on Sea Turtles, Threats To Their Survival and Florida's Coastal Habitats," basic gives information on sea Turtles, Maps of sea turtle nesting beaches and information on Florida's coastal habitats.

<<http://www.cccturtle.org/contents.htm>> [BA]

Seabird and Forage Fish Research in Alaska

<http://www.absc.usgs.gov/research/seabird&foragefish/index.html>

Alaska Biological Science Center--USGS

<http://www.absc.usgs.gov/>

The US Geological Survey (USGS)'s Alaska Biological Science Center (ABSC) conducts research in a number of areas, including this research on seabirds and forage fish in Alaska. Organized by topic, the site includes general information on marine animals and ecosystems in Alaska, specific information on ABSC seabird and fish projects (including some methods and results), and several informal 'sketches' of participating scientists. Although of particular interest to the research community, the site simultaneously serves as an excellent example of how scientists study complex ecosystems. By clicking on each "What we learned" icon, viewers may access results of specific projects and explanations of how those results tie into "the bigger picture." Further information on the Alaska Biological Science Center is provided at the ABSC homepage. [LXP v4(6), November 8, 2000]

Search4science

<http://www.search4science.com>

Search4science is subtitled Brains Without Borders: An organization of scientists worldwide. There is no explanation of who they are, except you are asked to join. Following a link at the bottom of the page to www.cellnetwork.com I found the press release that explains that "The

Norwegian company search4science is launching an intelligent database which is helping researchers from all over the world to express themselves correctly. In close collaboration with the founders, some 20 people from Cell Network Oslo have developed and designed a scientific reference work which grows more comprehensive as it is used." The current search engine contains around 50,000 scientific words and expressions.

The home page contains links to a discussion group section, a news alerting service, a find a colleague section(which requires free registration) and a search engine. The search engine is interesting. There are two query boxes. The first box is for the main word or phrase, and the second is for any additional information. There are then two search options: direct search and dynamic search (which is recommended). Using a direct search with lakes as my main word and Africa as the secondary I got 176,000 matching items though only the first 40 displayed. The search engine is powered by Google which did display all 176,000 items . It was suggested that I try a "Dynamic search is an interactive process - benefit from other users' knowledge and contribute with your own suggestions. The main word/phrase is not found in any science category in our database." The dynamic search allows you to enter words related to those you have used. On this search no other words were suggested to me. On a search using oceanography and fish, it suggested oceans and then given the option of limiting (adding or excluding) by physical, biological, scripps, dynamic, estuarine, server, geological, or school. The dynamic search is powered by FAST. You can also limit your search using the category drop down menu of general science topics including biology and earth sciences. Clearly a beginning effort, it will be interesting to see how this search engine develops. [BA]

Think Brest, France for the Fall

SHARKS

Hundreds of Dead Sharks Wash Up Along Gulf Coast, Cause of Death Uncertain

1. "Florida Researchers Stumped by Dead Sharks"

http://dailynews.yahoo.com/h/nm/20001018/sc/life_sharks_dc_1.html

2. "Shark Deaths Mystery"

<http://news6.thdo.bbc.co.uk/hi/english/world/americas/newsid%5F980000/980115.stm>

3. "Shark Dissected After Beaching at Seaside" (June 14, 2000)

<http://www.newsherald.com/articles/2000/06/14/lo061400c.htm>

4. Florida Marine Research Institute

<http://www.fmri.usf.edu/>

5. The Panama City Laboratory Shark Population Assessment Group

<http://199.242.233.41/sharkpg5.html>

6. Shark Research Program at the University of Florida Museum of Natural History

<http://www.flmnh.ufl.edu/fish/Sharks/sharks.htm>

7. American Elasmobranch Society

<http://www.elasmo.org/>

8. "Species at Risk in the Gulf of Mexico Ecosystem"

<http://lionfish.ims.usm.edu/~musweb/endanger.html>

9. Blacktip Shark

http://www.seatrek.org/curriculum/reference/species/blk_tip.htm

10. University of Maryland Pathobiology Center

<http://medschool.umaryland.edu/aquaticpath/>

On Wednesday October 18, decaying dead sharks washed up on Florida beaches on the Gulf of Mexico. "I've never seen anything like this," said Dr. Enric Cortes, a biologist for the National Marine Fisheries Service in Panama City. "Mass mortalities in sharks are very unusual." About 85 percent of the sharks were blacktips, and the rest were Atlantic sharpnose, Cortes said. Most were juveniles 3.5 to 4 feet long. The cause of death remains a mystery. No signs of injury from fishing nets or long lines could be detected. Pathologists are testing tissue from the dead sharks to determine if a "red

tide" algal bloom could be to blame, but that seems unlikely because no other fishes or sealife died. Cortes speculates that the sharks may have died from a low level of oxygen in the shallow waters. In the News this week takes a closer look at sharks and marine studies of the Florida coast. The first two sites, (1) and (2), are press releases from Reuters (via Yahoo!News) and the BBC respectively describing the incident. The third site (3) is a brief article that appeared in the June 14, 2000 *Panama City News Herald* about another shark beaching, this one a single bull shark. A photograph of Dr. Cortes examining the carcass accompanies the article (.jpeg). The centers most involved with study of the shark deaths are the Florida Marine Research Institute and the Panama City Laboratory of the Southeast Fisheries Science Center. The Florida Marine Research Institute (4), a division of the Florida Fish and Wildlife Commission, has a site featuring research news and links for Florida's marine and coastal resources. Their Fish page contains a link to an interesting news piece about widespread mortality of hard-headed catfish during Summer 2000. The external symptoms associated with these dead catfish were red lips and belly spots. Other sections of the Florida Marine Institute site feature coral reefs, invertebrates, sea turtles, marine mammals, sea grasses, and GIS mapping. The GIS page provides color graphs of sea surface temperatures and reflectance in the Atlantic and Gulf of Mexico. Also at the Florida Marine Institute site, a page called ECOHAB: Florida, features remotely sensed maps and microscope images of harmful algal blooms -- one of the suspects in the recent shark deaths. The Panama City Laboratory Shark Population Assessment Group (5), the division of the Southeast Fisheries Science Center in which Dr. Cortes works, maintains a homepage with information about its programs and facilities. Shark population dynamics, life history, juvenile abundance and distribution, nursery areas, and shark drift gill net observation are current projects of the Panama City Laboratory's Shark Population Assessment Group. A colorful,

informative site about sharks (6) is brought to users from the Ichthyology Department of the University of Florida Museum of Natural History. An image gallery, news stories, the International Shark Attack File, and links to shark-related sites and references are found on the Ichthyology Department's shark page. Also featured are special looks at the Great White and the Megamouth sharks. The American Elasmobranch Society is a nonprofit organization for the study of living and fossil sharks, skates, rays, and chimaeras. Its Website (7) contains abstracts of AES scientific papers and links to conservation, job, and general interest sites related to Elasmobranchs. The Website entitled "Species at Risk in the Gulf of Mexico Ecosystem" (8) from the Gulf Coast Research Laboratory Museum contains ample information on endangered species of fish, invertebrates, and sharks including the Atlantic Sharpnose (*Rhizoprionodon terraenovae*). A bibliography, detailed text on conservation activities, and research results are other highlights of the "Species at Risk..." site. For information about the Blacktip shark (*Carcharhinus limbatus*), see Mote Marine Laboratory's factsheet (9). Other fish kills, such as *pfisteria* outbreaks in the Chesapeake Bay, are discussed at the Website of the University of Maryland Pathobiology Center (10). [HCS v.4(5), October 25, 2000]

Sources of Federal Funding for Marine Conservation Biology Research

<http://www.mcbi.org/>

Marine Conservation Biology Institute proudly announces a valuable new website feature, a comprehensive directory containing federal funding opportunities for marine conservation biology research to help guide researchers in their funding search. Given the lack of a dedicated funding source for marine conservation biology research, and the plethora of potential federal funding opportunities sprinkled throughout government agencies and announced through various media throughout the

year, it can be quite a challenge to identify an appropriate funding program for a given research project. MCB's funding sources directory provides a thorough and frequently updated survey of all federal agencies and related institutions for such research funding opportunities, including information on acceptable research topics, past and current funding, award levels, deadlines, samples of previously funded projects, and links to more information on the web. The directory is intended to be a compendium of current research funding opportunities for all scientists seeking support for research projects in marine conservation biology, from undergraduate students to professional marine biologists and conservation biologists. At the present time, the Department of Commerce, Environmental Protection Agency, and National Science Foundation pages are available for viewing. These three contain the majority of relevant federal funding opportunities; new pages on other agencies will be added as they are completed. For more information, contact Beth Kantrowitz at beth@mcbi.org. [LP]

Status of Fishery Resources along the US Atlantic Coast

Status of the Fishery Resources of the Northeast United States -- NEFSC

<http://www.nefsc.nmfs.gov/sos/>

Final US Atlantic and Gulf of Mexico Marine Mammal Stock Assessments: 2000-- NEFSC [.pdf]

<http://www.nefsc.nmfs.gov/psb/finaldraft2000.pdf>

Series of five reports on Marine Mammal Stock Assessment [.pdf]

<http://www.wh.who.edu/psb/assesspdfs.htm>

These three scientific resources provide information on fishery resources along the Atlantic Coast of the US. The first resource, from the Resource Evaluation and Assessment Division of the Northeast Fisheries Science Center (NEFSC), gives a detailed overview of the status of fishery resources in the Northeast

US (see Introduction section). Second, this final report (NOAA Technical Memorandum NMFS-NE-162) from the Northeast Fisheries Science Center compiles stock assessment information for marine mammals in US Atlantic/ Gulf of Mexico waters. Edited by G.T. Waring, J.M. Quintal, and S.L. Swartz, the recent report is fifth in its series and includes new information on population size, mortality estimates, genetics, human interactions (ship strikes to whales), and first-time abundance estimates for Western North Atlantic stocks of Atlantic Spotted and Pantropical Spotted Dolphins. The reports may be downloaded in .pdf format or viewed online. [LXP v. 4(12), February 14, 2001]

Te Puna Web Directory

http://tepuna.natlib.govt.nz/web_directory/

This is a searchable directory of New Zealand and Pacific Island Web sites. Maori listings are extensive. It is fascinating to browse the sites of well-known (Hawaii, the Galapagos) and not so well-known (Niue, Wallis, and Futuna) Pacific Islands. Maintained by Te Puna Matauranga o Aotearoa (the National Library of New Zealand). [AC]

Tide Prediction

<http://scilib.ucsd.edu/sio/tide/>

Gives an introduction to tides and tide prediction, a list of online predictors, tide prediction software sites, information on tides & tide prediction sites, tide observations sites. [PB]

Under The Sea: A Unit on Marine Biology

<http://www.geocities.com/sseagraves/underthesea.htm>

Aimed at primary school, this site gives lesson and activities about fish, mollusks, oceanography, endangered oceans, marine mammals, Crustaceans, echinoderms, and corals, & other animals with stinging cells. There is a

bibliography of the books the author considers the best on marine life and habitats for the primary grades, though some can be used with older students. Includes links to other marine pages. [BA]

UNEP.Net.

<http://www.unep.net/>

From the page: "...authoritative environmental information from a broad range of information and data providers, committed to making their information freely available to the whole spectrum of users of environmental information." Contains national & regional environmental profiles, an Atlas of Protected Areas, links to Featured resources about Emerging issues and water sites. [BA]

UNESCO Library Portal

http://www.unesco.org/webworld/portal_bib

UNESCO is pleased to announce the launch of its library portal which is intended to facilitate access to information related to library resources available on the World Wide Web as well as to issues affecting librarianship. The site, still in an early developmental stage, is being developed as an interactive point for browsing and searching a range of categories including websites of national libraries, government information services, library associations and on-line resources, with special emphasis placed on activities in UNESCO's fields of competence namely education, sciences, culture, communication and information.

Special sections will regularly feature news and articles of interest to librarians and highlight the activities of a selected library and/or collection. All libraries and librarians are invited to participate by providing information on activities, useful links, news and content that they wish to share with others and generally make more widely available. [JS, AC]

UNESCO/IFLA Directory of Digitized Collections:

<http://www.unesco.org/webworld/mow/digicol>

Compiles digitized heritage collections and on-going digitization programmes worldwide. It is hoped that The UNESCO/IFLA directory will provide a focal point of information on digitized heritage collections. Up to now some hundred collections were added. We would therefore appreciate your cooperation. Please feel free to add digitized documentary heritage collections and digitization projects from your libraries, archives or institutions to this database. This database should act as the 'Memory of the World' virtual library offering direct access to those collections, where permission to link has been granted. Potential participants are invited to nominate their collections for inclusion in the directory. [EU]

UniSci

<http://unisci.com/>

This daily news service currently contains over 2,500 searchable documents that report the top science news stories from universities, research labs, individual companies and PR firms. A search for "water" yields 387 hits, "aquatic" 30 hits, "ocean" 116, "lake" 68 hits, "river" 63 hits, "fish" 89 hits, and "marine" 71 hits. [BA]

U.S. Department of Energy -- DOE Information Bridge

<http://www.osti.gov/bridge>

Each of 60,000 full-text scientific and technical reports sponsored by the Department of Energy (DOE) is directly accessible on the Internet using a unique URL. You can search every word of all the reports. A Persistent URL (PURL) allows educators, students, scientists, and engineers to directly access individual documents and to

easily direct others to them. The collection is DOE's report literature output since January 1995. [BA]

U.S. NOAA Coastal Shoreline Website

<http://www.csc.noaa.gov/shoreline/>

In 1807, Thomas Jefferson launched the first Shoreline mapping project in the US. Over the next 100 years, the entire coast of the coterminous US was surveyed at least once, creating maps which now represent baseline scientific information on shorelines, estuaries, wetlands, and coastline development. The NOAA Coastal Shoreline Website offers historical information and links to a plethora of coastline information. Users will find data and maps, a bibliography (with Reports, Technical Papers, and links to Coastal Zone Management Plans & Environmental Impact Statements), two glossaries, and an excellent collection of related shoreline resources. For researchers or the general public, this site serves up interesting information. [LXP v 4(10) January 17, 2001]

Urban Rivers Awareness

<http://www.urbanrivers.org/>

The Academy of Natural Sciences (Philadelphia) hosts this page on Urban Rivers Awareness. Offering information both general (e.g., the importance of water and watersheds) and specific (e.g., Manatwan Creek dam study), the site introduces viewers to urban river issues via an ecological study on the removal of a dam in Pennsylvania. Site content is directed towards raising awareness of urban rivers and is educational in flavor. Also at the site is a series of links to other Academy projects, external resources, and related articles. [LXP v.4(6), November 8, 2000]

Water Conflict Chronology [.pdf]

<http://www.worldwater.org/conflictIntro.htm>

Water is the limiting factor for terrestrial life on earth, and as human populations have grown and expanded through the centuries, access to clean water has become increasingly political. To chronicle this process, Dr. Peter Gleick of the Pacific Institute for Studies in Development, Environment, and Security has compiled this chronology of water conflicts. The resource describes water conflicts starting in 1503, including the date (year), parties involved, basis of conflict, violent conflict, description, and source(s). Water Conflicts are categorized in six ways: Control of Water Resources, Political Tool, Terrorism, Military Target, and Development Disputes. The Chronology is available in HTML or .pdf formats. [LXP v.4(5), October 25, 2000]

Water Science for Schools

<http://www.usgs.gov/edu/index.html>

"Welcome to the U.S. Geological Survey's (USGS) Water Science for Schools web site! We offer information on many aspects of water, along with pictures, data, maps, and an interactive center where you can give opinions and test your water knowledge." This is good site to go to for answers to basic questions about earth's water and water usage. You'll find the answer to questions such as how much water is there on the earth and what % of it is from oceans, lakes and rivers? Or what are the physical properties of water. Or why is the ocean salty? How much salt is in saline water? There's a link to summary data tables about water use in the United States, by state.[BA]

Wetlands and Birds -- NPWRC [.zip]

"Relationships of Habitat Patch Size to Predator Community and Survival of Duck Nests"

<http://www.npwrc.usgs.gov/resource/2000/habpatch/habpatch.htm>

"Management of Northern Prairies and Wetlands for the Conservation of Neotropical

Migratory Birds"

<http://www.npwrc.usgs.gov/resource/2000/neobird/neobird.htm>

"Grays Lake Ecosystem"

<http://www.npwrc.usgs.gov/grayslk/>

The Northern Prairie Wildlife Research Center (NPWRC) has posted several new (or newly online) resources on wetlands and birds. The first resource by Marsha A. Sovada and others was recently published in *Journal of Wildlife Management*, 2000, [64(3):820-831] and examines the relationship between habitat patch size and duck nest survival as a function of predation rates. The second resource, on managing northern prairies and wetlands for Neotropical migrants, was first published by Douglas H. Johnson in 1996 as part of a Forest Service General Technical Report [NC-187], edited by F. R. Thompson, III. The third resource, from the US Geological Survey, focuses on the Grays Lake National Wildlife Refuge, and current and previous research conducted there on bird and plant species. The first two resources may be downloaded as .zip files. [LXP v 4(8), December 6, 2000]

WhaleNet

<http://whale.wheelock.edu>

"WhaleNet is an interactive educational project (whale, seal, dolphin, porpoise and turtle data) sponsored by Wheelock College in Boston, Massachusetts with support from the National Science Foundation." It is available in French, Spanish, Portugese, German and English. There are sections for teacher, students and the general public which guide you to information and activities. [BA]

Wildchannel

<http://www.wildchannel.com/>

Designed as an interactive wildlife experience includes movies, features focusing on a species, places and people, and recent news stories

including "Everything you never knew about fish and turtles," "Steller sea lions get safety net from trawling," "Coelacanth Discovered In Greater St Lucia Wetland Park," "Crater lake comes new park in Canada," "Equatorial waters hold undercurrent to global warming." "Science Matters: 25% of Coral Reefs Destroyed," "FWS plan would nurse Missouri River back to health." [BA]

Wildlife Australia: Endangered Species Program

<http://www.biodiversity.environment.gov.au/threaten/index.htm>

This no-frills Website from Wildlife Australia contains a wealth of information on current efforts to protect endangered species in Australia. Resources included at this government site cover legislation, educational materials, action guides, state/ territory information, conservation networks, and information on current events and planned activities. Also featured are lists of endangered species, and species accounts providing distributional and natural history information. A substantial collection of links to important relevant resources rounds out the site. [LXP v. 4(8), December 6, 2000]

World Bank Holidays.

www.national-holidays.com

Since so many of us and our researchers are world travelers, this site might be useful. It lists all bank holidays until 2007. It can be searched by country for the day, month or year you might be traveling. [BA]

Where will you be in October?????

SCIENTIFIC AND TECHNICAL CONFERENCES

FEBRUARY 2001

20-21. Singapore. Work Boat World Asia Exhibition and Conference. For further information:

<http://www.baird.com.au/wbwasia/index.htm>

20-23. Singapore. Sustainable Development of Water in the 21st Century. For further information:

<http://www.cbip.org/sem0101.php3>

MARCH 2001

11-14. Pittsburgh, PA. U.S.A. Freshwater Mollusk Conservation Society: 2001 Meeting. For further information:

<http://www.dep.state.pa.us/dep/deputate/fieldops/sw/tom/fmcs.html>

12-15. Sacramento, CA. U.S.A. Riparian Habitat and Floodplains Conference. For further information: <http://www.tws-west.org/riparian/>

24-27. Pensacola, FL, U.S.A. EMAP Symposium 2001: Coastal Monitoring Through Partnerships For further information:

<http://www.epa.gov/emap/html/pubs/docs/otherdocs/symposia/symp2001.html>

26-29. Tampa, FL. USA. 2001 International Oil Spill Conference. For further information:

<http://www.iosc.org/>

26-30. Nice, France. European Geophysical Society XXVI General Assembly. For further information:

<http://www.mpae.gwdg.de/EGS/egsga/nice01/nice01.htm>

29-Apr 1. Southampton, England. Visualizing the Underwater Environment 2001: An Inner

Space Odyssey. For further information:

http://www.sut.org.uk/htmlfoldr/sut_29032001.htm

APRIL 2001

3-5. Miami, FL USA. Oceanology International 2001. For further information:

<http://www.spearhead.co.uk/>

3-5. Vienna, Austria. International Conference and Specialized Exhibition "Water as the strategic resource for the new millennium." For further information: <http://www.messe.at>

9-11. New Orleans, LA. U.S.A. Marine Bioinvasions. For further information:

<http://massbay.mit.edu/exoticspecies/conf2/>

22-26. Parana, Brazil. IV Inter-American Dialog on Water Management. For further information:

<http://www.ivdialogo.com/>

24-27. Pontevedra, Spain. Oceans III Millennium: Oceanology and Human Development Between The Coastline and The Continental Margin. For further information:

<http://www.fomar.org/>

MAY 2001

20-25. Durban, South Africa. Sixth Indo-Pacific Fish Conference. For further information: <http://www.seaworld.org.za/seaworld/ippfc2.asp?show=ipfc2>

27-June 1 Chicago, Illinois. Society of Wetland Scientists - 22nd Annual Meeting "Urban Wetlands: Protecting and Enhancing the Resource." For further information:

<http://www.sws.org/chicago/>

Think Brest, France for October

JUNE 2001

6-8. Oulu, Finland. Management of Northern River Basins. For further information:

<http://www.nornet oulu.fi/noriba/>

10-14. Green Bay, WI, U.S.A. International Association for Great Lakes Research Conference. For further information:

<http://www.iaglr.org/conference/callpapers.html>

10-15. Birmingham, UK. ET 2001: Environmental Technology. For further information:

environment@marquette.edu

21-26. San Francisco, CA, USA. 2nd Symposium on Marine Conservation Biology. For further information:

<http://www.mcabi.org/>

JULY 2001

3-5. Cairns, Australia. Asia-Pacific Fishing Exhibition and Conference. For further information:

<http://www.baird.com.au/apf/index.htm>

16-21. Dublin, Ireland 2001 International Bryozoology Association 12th International Conference. For further information:

www.tcd.ie/Geology/Meetings/IBA/

AUGUST 2001

15-19. Manitoba, Canada. Ecology of wetlands and shallow lakes: alternative stable states, anthropogenic influences, and management options For further information:

http://www.umanitoba.ca/faculties/science/delta_marsh/meetings/index.html

SEPTEMBER 2001

3-6. Hermoupolis, Syros. 7th Conference on

Environmental Science and Technology. For further information: <http://www.cest.gnest.org/>

4-7. Aberdeen, Scotland, UK. Offshore Europe 200, Oil and Gas Exhibition and Conference. For further information:

<http://www.offshore-europe.co.uk/default.htm>

11-13. University of Sheffield, UK. Changing Wetlands: New Developments in Wetland Science For further information:

<http://www.shef.ac.uk/geography/research/wetlands/index.html>

17-21. Beijing, China. IAHR International Association of Hydraulic Engineering and Research. IAHR Biennial Congress. The XXIst Century: The new era for hydraulic engineering and research. For further information:

<http://www.iahr2001.iwhr.com>

OCTOBER 2001

21-28. Mar del Plata, Argentina. 2001 An Ocean Odyssey - Joint assemblies of IAPSO and IABO. For further information:

http://www.retina.ar/2001_ocean/

NOVEMBER 2001

15-18. Apline, TX USA. 2001 Desert Fishes Council Meeting Information. For further information:

http://www.utexas.edu/depts/tnhc/www/fish/dfc/meetings/dfc_meet.html

28-Dec. 3. Vancouver, B.C., Canada. 14th Biennial Conference on the Biology of Marine Mammals . For further information:

<http://www.vanaqua.org/events/mamconf.html>

Make Your Plans To Attend the IAMSLIC - EURASLIC Conference in October

LIBRARY AND INFORMATION SCIENCE CONFERENCES

FEBRUARY 2001

11-14. Myrtle Beach, SC. U.S.a. Stop Surfing, Start Teaching Learning and Teaching Through the Internet. For further information:

<http://www.rcce.sc.edu/ssst/>

12-16. Minneapolis, MN, U.S.A. Institute for Mathematics and its Applications Workshop 6A. Digital Libraries : Digital Asset Management For further information:

<http://www.ima.umn.edu/multimedia/winter/m6.html>

26-March 2. Minneapolis, MN, U.S.A. Institute for Mathematics and its Applications Workshop 6B. Digital Libraries : Classification, Retrieval and Visualization. For further information: <http://www.ima.umn.edu/multimedia/winter/m7.html>

MARCH 2001

13-17. Washington, DC, U.S.A. Computers in Libraries 2001. For further information: <http://www.infotoday.com/cil2001/default.htm>

14-16. Baden-Baden, Germany. 1. Konferenz Professionelles Wissensmanagement Erfahrungen und Visionen. For further information: <http://wm2001.aifb.uni-karlsruhe.de/>

15-17. Sonora, Mexico. Transborder Library Forum. World Information: Knowledge Without Boundaries. For further information: http://victoria.ciad.mx/biblioteca/eventos/foro_xi.htm

15-18. Denver, CO, U.S.A. Association of College & Research Libraries (ACRL) 10th National Conference, "ACRL X: Crossing the Divide." For further information: <http://www.ala.org/acrl/denver.html>

www.ala.org/acrl/denver.html

15-21. Jakarta, Indonesia. Preventive Preservation of Palm Leaf and Paper Manuscript. Registration should reach the Secretariat not later than 1 March 2001. Please send the application to: Mr. Joko Santoso, Workshop Secretariat, National Library of Indonesia, Jl. Salemba Raya 28A, Jakarta 10430 Phone 62-21-3156149, Fax. 62-21-3101472

26-28. London, U.K. Internet Librarian International Kingdom. For further information: <http://www.internet-librarian.com/>

APRIL 2001

9-11 Newcastle upon Tyne, England. First International Conference on Human Aspects of the Information Society. For further information: <http://is.unn.ac.uk/imri/index.htm>

MAY 2001

20-23. Toronto, Canada. Information Resources Management Association International Conference "Managing Information Technology in a Global Economy." For further information: <http://www.irma-international.org/>

27-29. Québec, Canada . 29th Annual Conference of the Canadian Association for Information Science. For further information: <http://www.fims.uwo.ca/cais/caiscfpe.htm> (English version), <http://www.fims.uwo.ca/cais/caiscfpf.htm> (Version Francaise)

JUNE 2001

1-6. Tumon, Guam. 10th Pacific Science Inter-Congress, Integration of Natural and Social Sciences in the New Pacific Millennium. Topic Session 11: Oceanian Librarianship. For further information: <http://www.10psicguam.org/>

9-14. San Antonio, TX, U.S.A. Special Libraries Association, "2001, An Information Odyssey: Seizing the Competitive Advantage." For further information: <http://www.sla.org/conf/2001conf/index.html>

10-12 . Dallas, TX, U.S.A. Global Information Technology Management (Gitm) World Conference. For further information: <http://gsmweb.udallas.edu/mraising/gitm2001Dallas/>

13-17 Winnepeg, Manitoba, Canada. Canadian Library Association conference. For further information: <http://www.cla.amlibs.ca/CONF.HTM>

13-15. San Francisco, CA. U.S.A. National Conference on Asian Pacific American Librarians For further information: <http://bioac.uky.edu/ncapal/>

14-20 San Francisco, CA, U.S.A. American Library Association Annual conference. For further information: <http://www.ala.org/cro/cal.html>

JULY 2001

5-7. Canterbury, England. ICCC/IFIP 5th International Conference on Electronic Publishing. Elpub2001 - "2001: an Electronic Publishing Odyssey" For further information: <http://www.tu-chemnitz.de/pm/elpub2001>.

AUGUST 2001

15-17. Chester, VT, U.S.A. Fourth World Conference on Continuing Professional Education for the Library and Information Professions. For further information: Viki Ash-Geisler f_ash@two.edu

16-25. Boston, MA. U.S.A. International

Federation of Library Associations (IFLA) General Conference, "Libraries and Librarians: Making a Difference in the Knowledge Age." For further information: <http://www.ifla.org/IV/ifla67/index.htm>

26-29. Melbourne, Australia. 9th Special, Health and Law Libraries Conference "Rivers of Knowledge." For further information: <http://www.alia.org.au/conferences/shllc/2001/>

26-29. San Francisco, CA. U.S.A. The Seventh ACM SIGKDD International Conference on Knowledge Discovery and Data Mining. For further information: <http://www.acm.org/sigs/sigkdd/kdd2001/>

SEPTEMBER 2001

4-8. Darmstadt, Germany. 5th European Conference on Research and Advanced Technology for Digital Libraries. For further information: <http://www.ecdl2001.org>

OCTOBER 2001

14-18. Brest, France. The 27th Annual IAMSLIC Conference and the 9th EURASLIC Conference
Brest, France, October 14-18, 2001. Watch the IAMSLIC Web site for information.

NOVEMBER 2001

2-3. College Park, MD, U.S.A. Library Research Seminar II: "Partners and Connections: Research And Practice." For further information: <http://www.dpo.uab.edu/~folive/LRSII/index.htm>

12-13. Orlando, FL, U.S.A. The Virtual Reference Desk(SM) 3rd Annual Digital Reference Conference. For further information: <http://www.vrd.org/conf-train.html>

CALL FOR PROPOSALS

MANAGING RESOURCES IN A SEA OF CHANGE

The 27th Annual IAMS LIC Conference and the 9th EURAS LIC Conference

Brest, France, October 14-18, 2001

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#### GUIDELINES FOR SUBMITTING PROPOSALS FOR POSTERS, PAPERS, PANEL DISCUSSIONS OR WORKSHOPS

[This information is also online at: [http://scilib.ucsd.edu/sio\\_instruct/iamslic/firstcall.html](http://scilib.ucsd.edu/sio_instruct/iamslic/firstcall.html) ]

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Proposals should include:

Name:

Your Title:

Institution:

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Phone Number:

Fax:

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Title of Presentation:

Author(s):

Abstract:

Type of presentation:

- ☐ Poster
- ☐ Paper
- ☐ Panel discussion
- ☐ Workshop

Indicate AV/Computer equipment needed

(Note: live Internet connections may not be available)

- ☐ Computer Graphic Display (i.e. for Powerpoint presentation)
- ☐ Overhead projector (for transparencies)
- ☐ Slide projector
- ☐ VHS VCR (for videotape)
- ☐ U-matic VCR (for videotape)
- ☐ Other (specify):

DEADLINE: We will accept submissions through April 15, 2001. Please call/email, if you have special circumstances which will prevent you from meeting the deadline.

Submit proposal for a paper, poster, workshop, etc., to:

Susan S. Berteaux, Associate Director & Instruction Coordinator

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